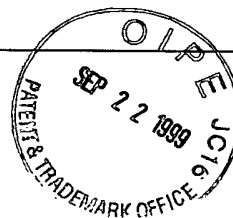


SEQUENCE LISTING



(1) GENERAL INFORMATION:

- (i) APPLICANT: Ruddy, David A.
Wolff, Roger K.
- (ii) TITLE OF INVENTION: POLYMORPHISMS IN THE REGION OF THE HUMAN
HEMOCHROMATOSIS GENE
- (iii) NUMBER OF SEQUENCES: 26
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Pennie & Edmonds, LLP
(B) STREET: 1155 Avenue of the Americas
(C) CITY: New York
(D) STATE: NY
(E) COUNTRY: USA
(F) ZIP: 10036-2811
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: Windows
(D) SOFTWARE: FastSEQ for Windows Version 2.0b
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: 08/852,495
(B) FILING DATE: 07-MAY-1997
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Poissant, Brian M
(B) REGISTRATION NUMBER: 28,462
(C) REFERENCE/DOCKET NUMBER: 8907-0057-999
- (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: 650-493-4935
(B) TELEFAX: 650-493-5556
(C) TELEX: 66141 PENNIE

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 235033 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CACACACACA CACACACACA CACACACACA CACACAAATG AGGTATATAA AGGGTCTCCT

60

AAAATGTCAT CTGATATTTG TTATTTTCATA TTCTCAGATT TTTAATCCAT TTAGGTAGGT 120
 CTATTTT TAGA TAGCCTTGTC TGAAACAGAG CTGGGACCTG ATGAGTGAAA ATGAGCTCAC 180
 CAGAAGAAAA ATCAAACAGG CATTTTCAGAG ATTGAGGCCA AGAAGTTAAA TGTCTTAAAT 240
 GGGCAGAGCT TAGCTGCTTG ATGTGAAAAAG AGACCAGCGT GGCTGGAACA GCAAAGGAGA 300
 ACAGCAGAAG AGGTGAACAG AGGCCAGAGA TGGTCACTGA GTGGGCCCTT AAGTCATGGT 360
 AAGGAGTATG GAGAATGAAT TATTGCATGT ATTGAATATG TAGGTGACGT GACTCACAGA 420
 TACTTTGGAT TTGTAGAGAT GAAGGAAATG TAGCAAGTGA CACTCTTAGA ATGTTGATTT 480
 GAGTAAATGG TAGTGTCAGT TATTGAACTG GGGAGAACTG GAAGGGATAA CAGGCTTAAG 540
 GAGCACGTTT ATTCCTGTGT CTTGGAAGTG TTTAGGGTGA AAGACCTATT AGAGTTCTAA 600
 ATGGAGATGT CAAGTGAAAA TGTGGCTACA CACATTTGCA TTTCAGAAAA AAGGTCAGGC 660
 TGGAGATGTA AAATTGGAAG TTTACTGCAT ATAGATAGTC TTTGGAACCG TAGTATTGAT 720
 GAAGCCATTA ATGAGACAGA ACAAAGACTA GGGACCAGAG CCAAGCTCCA AGTTTCTAAA 780
 ATTTAGAGGA TAGTATAGTC TGGTCATTTT GAGGTGAATA CTTAATAACA GAACAATTTG 840
 TTGAAGTGTA AATTTAGAGC CCTACACTTT TAGCTCTGAC TATTAACGAA TACAGGAAAG 900
 AATGGATATG GTTATCTGCC TGGTGTCTGT GAAATAATTT AAGCCAGGAA GAGATCCTCA 960
 CCAGAACTG ACTATGCTGG CAACTTGGAT CTTAGATTTT CAGCCTGCAG AATTGTTAGA 1020
 AAATAAATGT CTATCGTTTA AGCCACCAGT CTGTAGTATT TTGTTATGGC AGTCCAAGCT 1080
 GACTAAGTTT TGGTACCCAG GCGTGGGATG CTGCAACAAC AAATACCTAA ACATGGGGAA 1140
 GTGGCTTTGG AAATTGGTGA TGGGTAAAGG CTGGAAGAGT TTGAGGTTCA TACTAGAAAA 1200
 AGCCAATTGT GAAGGGACTA TTGAAAGAAA TATGGACATT AAAGGCAATT CTGGCAAAGG 1260
 CTCAGAAAGG AAGAGAGCTG GACAGAAAGC TTCCATTTTC ATAGAACTT AGATTTATAA 1320
 CGATCATGGA TAGAATATTA AATATGCTGG TTA~~AA~~ATATG GACTTTAGGC CAGGCGTGGT 1380
 GGCTCACGCC TGTAATCTCA GCACTTTGGG AGGCTGAGGG CACAGATCAC GAGGTCGGGA 1440
 GTTTGAGACC AGCCTGGCCA ATATGGCGAA ACCCTGTCTC TACTAAAAAT ACAAAAATTA 1500
 GCTGGGCATG GTGATGTGCT TCTGTGGTCC CAGCTACTCG GGAGGCTGAG GCTGAAGAAT 1560
 CGCTTAAACC CGGGGGGTGG AGGTTGCAGT GACCCAAGAT CACACCACTG CACTCCAGCC 1620
 TGGGATACAG AGCAGGACTC CACTCCCCC GCCACACACA CACAAAAAAT ATATATATAT 1680
 GGACATTAAA GTCAACTCTT GTGAGGTCTC AGATGAAAAT GAGGGACAGG TTATTGGAAA 1740
 CTGTAGAAAT CACTGTTCTT GTTACAATGT GTCAAGAACT TGGCTGAATT ACGCTGTAGT 1800
 GTTTACTGGA AAGAACTTAT AAGCAGTAAA ACTGGATATT TACCAGAAGA GATGTCTAAG 1860
 CAAAGTATTG AAGGTGTGAT TTAGGTCTCT CTTACTGCTT AAAGTGAAAT GTGAGAGGAA 1920
 AGAGCCGAAA TAAAGAAGGA ATTTTAAAGC AAAACACAAT CAGAACTTGG AGATTTGGGA 1980

TAGATTTCTC AATCTATATT GTAAAAATTG AGAAAGTTTT TCTTGAAGAG GTATGGTTGA 2040
 ACAATGTTTT CTTTTTCTTT TTTTTTCTTG GTTTTATTTT TATTTTATG TTTTTTGAGA 2100
 CAGGGTCTGG CTATGTCATC CAGGCTGGAG TGCAGTGGCA CAATCTCAGT TCAGTGCAAC 2160
 CTTTGCCTTC AGGCTCAAGC AATCCTCCCA CCTCAGCCTC CTAAGTAGCT GGGACTACAT 2220
 GTATGCACCA CCACACCCTG GCTAATTTTT TGTTGTTGTT TATAGAGATG GGGTTTTGAC 2280
 ATGTTGCCTA GGCTGGTCTC TAACTCCTGA GCTCAAGTGA TCTGCCCTCC TCAGTCTCCC 2340
 AAAGTGTTGG GATTACAGGC GTGAAACACT GAGCCTAGCC TGAACAACCA TTTGATAAAG 2400
 AGATAATGGG TGTGACCCAA GGATTTAATC AGCCATCTCA GCAGAAGCCA GGAAGAGAGA 2460
 TGGGATTATT CCAGCAGAGA CACTGCCAAT TTAACTAAC GTAGGCAGAG AAAACAGAAA 2520
 GGAACAAAGG AAGGTTGTCG ACTTTTTGAA TTCTATAGAA CAGGATCATA GAGTACCTG 2580
 GCTGTCAATG TGTACTATTC TTTAAGAAAA GGAAAGACTG ACCCACCAA GGCAACTTAC 2640
 AAGATCACTA GGGCTGACTC TTTTGTTTTT TCTTGAGGCA GTCTCACTGT CACCCAGGCT 2700
 GTAGGGCAAT GGTGTGATCT CAGCTCACTG CAATCTCCAC CTCCCAGGTT CAAGGGATTC 2760
 TCTTGCTTA GACTCCCAAG TAGCTGGGAT TACAGGCTCT AAATCTGTAC CCTCCCGAGT 2820
 AGCGCTCCTG CCACCACTTG CCCAGCTAAT TTTTGTATTT TTAGTAGAGA TGGGGTTTCA 2880
 CTATGTTGGC CAGGCTAGTT TGGAACCTCT GACCTCCAGT GATCCATTCT CATTGGCCTC 2940
 CCAAAGTGCT GGGATTACAG GCAGGAGCCG CCAGGGCTGC CACTTTGATG TCAGACTCAG 3000
 AGAGTACAGA TGGGATAGGG TGGGGGTGGG AACATGTAGT CAAGGCTGAC TCTACCTGTT 3060
 TCAAAGATGC CCTGCAGAAC TGTGTGGGAG TCTCTCACAG ATGGCTGCCT GGGTGGGACC 3120
 CCACCAAAC GAAAGACCGA GACTTCAGGC AGGGCAGATG GAGTAGGCCA ACTACAGAGC 3180
 CAGAGGTGAC ACTGAGACAC CACTGGGCCT GGAAATCAGG GCATCAAGCC AAAGAGGGTT 3240
 TTTCTTAAGA CCTAACAGAA TTTGCCTTGC CAGGTTTTGG ACTTGATTAG GACACATTAC 3300
 ACCTTCCTTC TTTCTTATTT CTCCATTTTC TAATGGGAAT GTCTATTATG CCTGTTTCAC 3360
 CATTGTACCT TAGAAGCATG TAACATTTCT GGTTCACAC GTTCAAAGCT GGAAAGGAAT 3420
 TTTGTCTCTG GATGAATCAC ACATTGAGCC TCACCCGTAA CCTGATTAG ATGATTTTTT 3480
 AGATGACACT TTGAACCTTA GAATTGATGC TAGAATGAGT TAAGACTTTC AGGGGGCTGT 3540
 TGGGATGGAA TAATTTTTTT TTTTTTTTTG AGACGGAGTC TAGCTCTGTC GCCCAGGCTG 3600
 GAGTGCAGTG GCACCATCTT GGCTCACTGC AAGCTCTGCC TCCCGGGTTT ATGCCATTCT 3660
 CATGTCTCAG CCTCCAGAGT AGCTGGGACT ACAGGCGCCC GCCACCACGC CTGGCTAATT 3720
 TTTTTTTTAT TTTAGTAGAG ATGGGGTTTC ACCGTGTTAG CCAGAATGGT CTCGATCTCT 3780
 TGACCTTCTG ATCCGCCTGC CTTGGCTTCC CAAAGTGCTG GGATTACACG TGTGAGCCAC 3840
 CATGCCCGGC TGGGATGGAA TAAATTTATC TTGTATGGGA GAAGGACATA CATTTTGGCA 3900

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| GGTCAAGGAC | AGAATGTTAT | GGACTAAACT | GTGTCCCCCA | AAATTCATTT | ATTAAAACCC | 3960 |
| TAAACCCAG | TGTGACTGCA | TTTGGACATA | GAGCCTTTAG | GGGGTACATA | AACTAAAGA | 4020 |
| TCACAGGATA | GGGCCCTAAT | CCCATTGGGG | CTGGTGTCTT | TACAGAAGAT | GAGACACTTA | 4080 |
| GAGCTCTCTC | TCCACGCAGG | CACCAAGGAA | ACACCATACA | AACACACAGT | GAGATGGCAG | 4140 |
| CCATCTGTTA | GCCAGGAACA | GATTCTCACC | ATAAACTATG | TTGGCACCTT | GATCTTAAAC | 4200 |
| TTCCAGGCTC | CAAACTGTG | AGAAAATGAA | TTTCTGTTCC | AAGCCTCTTA | GATATGGAAA | 4260 |
| AAAAGATTCT | GTTGTTTAAG | CCATCCAGTC | TCTGGTATTT | TGTTATGGCA | GCCTGAGTAG | 4320 |
| GCTAAGACAA | TGAAGGATGT | GGTAAACTTT | TACGTCCCAA | CCACATACCA | AAGAGGCTGG | 4380 |
| AATTTAGCAT | GCTTTCTTCT | TTCAACTGTA | GGCAATGTGC | ACAAGTTCTA | AATCCTAAGA | 4440 |
| CATGTTGGCT | CCTTTACTCT | GCCCAAATA | CAACTCAAAC | AAACAACGTG | AATATAATAA | 4500 |
| CATCCAATGA | AGTTCTGACA | TTTCTTCAAC | ATGAGTACAG | TAATTCAATG | CCAGAGAATT | 4560 |
| CATTTTATTT | TGAAATCTAC | ATGCCATATT | CCAATTTCTG | TTGAAGATGC | AATGGTTATA | 4620 |
| TTTATTCTTT | TTAATATAGA | TTTATCAGAC | TGGGCGCGGT | GGCTCATACC | TGTAATCCTA | 4680 |
| GCATTTGAGA | GGCTGAGGTG | GGCATATCAC | CTGAGGTCAG | GAGTTTGAGA | CCAGGCTGGC | 4740 |
| CAACATGGTG | AAACCCTGTC | TCTACTATAA | ATATAAAAAT | TAGCTGGGTG | TGGTGGTGCA | 4800 |
| TGCCTGTAGT | CCCAGTTACT | AGGGAGGCTG | AGGTAGAATT | GCTTGAACCT | GGGAGCAGGA | 4860 |
| GGTTGCAATG | AGTGGAATC | GCACCAGTAC | ACTCCAGCCT | GGATGACAGA | GCAAAATAAT | 4920 |
| AAATAAATAC | ATAAAATAGA | TTTATCAGTT | TATCAATAAT | ATAGTTTCT | TTTCTAGGTG | 4980 |
| TAAATATAGG | TAATGACTGT | CCTTTAGTAC | ATTTTCTCAT | GATGCTCCTC | TTACTTGTTT | 5040 |
| TGGTACAATA | TTAAGTATTG | AAATAAAATA | GAGAATCCTG | TCGCTACACA | TGAGCACTTA | 5100 |
| TTCCATTTGC | TCATCTCCAA | TATGCACGGG | AAATTCTCAA | ATTGCTAATA | ATCTTGTAAC | 5160 |
| ACACATGCAT | TATATTCAAC | AGGAATATAT | AAATTTATAA | TTATAATTTA | GGATCAACAG | 5220 |
| ATGACAAAAC | TTTAGAAGGT | TTGTATTTAA | CCTTAAATA | TAATTTTTTA | AAAATTGGTT | 5280 |
| ATAAAATTTT | TAATACTTTT | TTTTTTGTGA | CCTCAAGGGG | AAAATATAAT | TCTTATAAAA | 5340 |
| GTTCAAATGA | TTTACAGAAT | ACAAAAAGTG | AATAGAGATG | ATGAATGAAT | TAAAGGAAAG | 5400 |
| GATATTGCTA | CATAGATTTG | GAAATTTAAA | AAGGGAAATT | ACGATTGTTG | ATTTTGTGTT | 5460 |
| AAACTGATCT | GCTTTGTTCA | AGATACCTTA | TGTACCAAAA | AATGATTTTA | TCTCAGCCTC | 5520 |
| ATATCTCAGT | AAATTCCTGA | GACAACTTTT | AGTCCCTGGT | GGCCAGGTGC | CTTTGGTAAT | 5580 |
| TGGGAGACCT | CTAGGTTTAG | CATCCTCATC | CACTCGCCCC | AATTTAAATA | GTCTCCCCCA | 5640 |
| GGGCCATTCA | GGCAAGGGAG | ATGAAAACCT | GCTCAAGAGT | TGGAATCCAA | CTGAAGCTAC | 5700 |
| CGAAATTCAT | TGCTCAATAG | ATAATTTTCC | CTGGAAGTAA | CTAGGGCTTT | TGAATATAAT | 5760 |
| AGTGGGCATT | TCAAAGTAGA | AGGTAAAGTA | TTTTGGAGAT | GAGGAGACAG | GACAGAGCTA | 5820 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|------|
| CGAGGAATGT | CCTTTGCTTA | GGGACTAGGC | TCTTAGCAGT | ACCTCTTAGG | TAAGAACTGG | 5880 |
| TTAACTGGCA | CCTTCTGTGT | TTCTCTGAAG | CTCCCTTTGC | TTAGGGACTA | GGCTCTTAGC | 5940 |
| AGTACCTCTT | AGGTAAGAAC | TGGTTAACTG | ACACCTTCTA | TGTGTCTGAA | GCTCCCAGAA | 6000 |
| CAAACCTGCCA | GTGAAATTTG | GATTTTTTGA | ATATAGTTTC | TTTTTTCTTG | TTACTTTTTG | 6060 |
| TTTTGTGTGT | TTTTTTTGAG | AGTCTCACTC | TCACTGCAAC | CTCCCCCTCC | TATATTCAAG | 6120 |
| TGATTCTCTT | GCCTCAGCCT | CCCGAGTAGC | TGGGACTACA | GGCGTGCACT | AGCATGCCCA | 6180 |
| GCTAATTTTT | GTATTTTTTA | GTAGAGATGG | GGTTGGTTTT | TTTTTGAGAC | GGAGTTTCAC | 6240 |
| TTTGTGCCCC | AGGCTGGAGT | GCAGTGGCAC | GATCTTGGCT | CACTACAACC | TCCACCTCCC | 6300 |
| GGGGTTCAAG | TGATTCTTCT | GCCTCAGTCT | CCTGAGTAGC | TGGGACTACA | GGCGCCTACA | 6360 |
| GGTGAACACC | GCCACACCTG | ACTAATTTGT | GTAGTTTTAT | TAGAGATGGG | GTTTCGCCAT | 6420 |
| GTTGGCCAGG | CTGGTCTCAA | ACTCCTGACC | TCAGGTGATC | TACCCACCTC | AGCCTCCCCA | 6480 |
| AGTGCTGGGA | TTACAGATGT | GAGACACCAG | ATCAGCCTCA | GAAGACATTT | TCTATTGGAA | 6540 |
| AGAGAAAACA | CTATTAGCAA | CCTATTAGTC | TAATATTTAA | TACTTAATGT | CTTCCTTAGT | 6600 |
| AATAAACCAA | CTCTCTACAA | CAAAGTGCTT | CCTGGCTGCC | TAAGTCATTG | ATTCATTGAG | 6660 |
| TTCAACATTT | TCTCAATGCC | CAACAGCCAA | GTGTCTCTTG | TATGCCAAGT | TCTATGCTGA | 6720 |
| TTATCAGTAT | TTGAATAAGA | GGGGGTCTAC | ATCTTAAGTA | CTGCTTAAGA | TGAAAGCCTC | 6780 |
| TAGGTTAACA | AACTTAACAC | AATGTATCAT | TCACTACTAA | ATAGACCGAA | TACAAAATCT | 6840 |
| TGTTATTGGA | GCCCAGAGAG | AAGAATTGAA | ATTCAAGTTT | TCTCTCTCTC | CTTTTCTCAC | 6900 |
| TCACCACAAT | AAGTCAGTTG | CACCAAGTCT | TGTAGCTCTT | TACTGAGCCA | TGTTTTACAG | 6960 |
| TGTCCCTTTG | TTTTATTTGC | CACACCCTAA | ATAAAAATTG | TACTGGCTTT | TTTCCCTGG | 7020 |
| GTTTACAGTA | TTAATACATT | GTCAAGATTT | ACCTCTTCGT | GTAGATTCCC | TGGGGAAAAT | 7080 |
| TACCTTTCCT | CCTTCCCTTA | AATTCTTCAG | AGGTTAGAAA | GCCATTAGTA | ACATTCTGGT | 7140 |
| ATGTGGACAA | AGTTTACCCA | TTATGTATGG | ATGTTTTACT | CTTTCTATTT | TTCTGACAAT | 7200 |
| AATCTCTTAA | GGAGGTGTGG | TTATAGAATA | GTCAGCTGTT | ATAAGTACTG | TTTTCCTGGC | 7260 |
| CTTACAACCT | AAGTTCTTTA | AGCTGTTTTCT | TAGTTTGCTC | ATCTCAAAAT | TCGGAATAAG | 7320 |
| GATAAAACCT | ATCTCTTAGA | TTGTTGGATT | AAATGAATTA | ACATACTGGA | AGCTCATGAA | 7380 |
| ATGTGCCTGG | CACACAGTAG | TGCCTAATAA | ACCATCTCTC | TTATTCAGCC | TGTTTTCTGA | 7440 |
| TTTCAGAATC | TACACTTGCT | GAGCCAGGTT | CTTTTCATTT | CAAGGTGAGC | AAAAGCATAC | 7500 |
| AAGGAAGAGA | TGGAGGTAGG | AAGAGATTAA | GCCCTAGGCC | AAGGTCACAC | ACCGATTGGG | 7560 |
| AGCTGGAATC | AAAGGCAATT | TGGTCAGTGA | ATAAAAAGGA | TTCCAAGGCC | CATAAGGCAA | 7620 |
| TTCTAACCTT | AGGATCGAAA | TTCTCGGACA | TACAGGAAAT | GCTGGGGGGG | GAAAATCCGG | 7680 |
| TCTTCTCAGC | CCAAGAGCCA | TGTGAAACCA | GACCTTCAAA | TCTGATGATT | CTCAGCCCAG | 7740 |

| | | | | | | |
|------------|------------|-------------|-------------|------------|------------|------|
| CTGCCCATTA | GAATCGTTGT | AATTTAAAAA | TACCCTCGGA | AAATTCTAAT | ATGTGGCTAT | 7800 |
| CAAAGGTGAT | CATTTGCTTT | TATGCCACTT | TGTTTTACCC | CAAATGGGAC | ATCCAACCCT | 7860 |
| TTTCCTTTGA | GAGTAGTTGT | AGGGAAAAGGA | GGGGGTGGAG | GGAGGGAAGA | GCGGAAAAGG | 7920 |
| CTGGATCCGC | CCTGAGCCGG | TGTCAGTATC | TGGGAAGTGG | GAGGCGCGTC | AGCAGTAAAC | 7980 |
| AGCTTCTGCT | AGGATTATTA | TCTCCTGCCA | CACACTCGGA | TTTGAAGGCT | CCAAACGAAA | 8040 |
| CAATGCAAAA | CGCTTCAGTG | GAGTTCCAGA | AGCGTTAGAC | TAAACGACTG | GGTCTGTTTG | 8100 |
| GCCAGTCTGA | GCAGCTGGGC | GCAGATGCAT | AGGCAAGACT | TAGCCCGCCT | AGACTTTTCT | 8160 |
| GCCCACTTAA | TTCCGATCAA | AGCAGAAACC | GGCCGGGCGC | GGTGGCTCAC | GCCTGTAATC | 8220 |
| CCAGCACTTT | GGTAGGCAGA | GGCTGGCGGA | TCACCTGAGG | TCAGGAGTTC | GAGACCAGCC | 8280 |
| CGGCTAACCT | GGTGAAACTC | CGTTTCTACT | GGTGGCGGGC | GCTTGTAATC | CCATCTACTA | 8340 |
| GGGAGGCTGA | GGCCGGAGAG | TCGTCTGAAC | CCGGGAGGCG | GAGTTTGTAT | GCAGTGAGCC | 8400 |
| GAGATCGCGC | CACTGCATTC | CAGCTTGGGC | AACAGGAGCA | AAACTCCGTT | TCAAAAAAGC | 8460 |
| AAGCAAACAA | ACAAAAAAT | GCAGAAACCG | AGATCCGGAA | GAAAACCTCG | GCGAGATTCA | 8520 |
| CAGAATCCAG | GAAAATAGGT | CTCTAGAAAAT | TTGTCCATGG | TCCCAGATCT | CCATTTCTTG | 8580 |
| TGGGTGGGGC | AGCTGTTACC | AGATCCCTAG | AAGCAAAGGT | TTTTTTGGGG | GACCGTGTCT | 8640 |
| CACTGTTGCC | CAGGCTGGAG | GGCAGTGGCA | CGATCTCGGC | TTACTACAAC | CTCCGCCTCC | 8700 |
| CAGGCTCAAG | CGACTCTCCT | GCGTCAGCTT | CAAGAGTAGC | TGGGATTACA | AGGTATGTGC | 8760 |
| CACCACGCCC | AACTTATTTT | TTTATTTATT | ATTTTTATTT | AGTAGAGAGG | TGTTTCACCA | 8820 |
| TGTTGGCCAG | GTTAGTGTCG | AAGTCGTGAC | CTCAGGTGAT | CAGCCCCCTC | GGCTCCCAA | 8880 |
| AGTGGTAGGA | TTAGAGGGGT | GAGCAGAAAG | CAAAGGTTTT | TGAGTGGCCA | CAGGCCCCAC | 8940 |
| TCTATTTCTT | TTTCTGCCTG | TAATGGCAAC | CTAGACGCTT | GAGCTTCTTA | AAATACAAGA | 9000 |
| GTAAGTTGCA | TGTCAGGCAC | CGTTCTACAT | TAGGGACATT | AGTCTGTTTT | ACAGACACCT | 9060 |
| TTCAACTCCC | TGGTTAACTT | TTAGGTAATA | TACTCTGCAC | TTTAGCAGGA | ATGGGACCTA | 9120 |
| TAACTCTCAC | AGAATTAGGA | AAGTGAGGCT | GCCTACAGCC | TAAATTGAGA | AAAAAATAGA | 9180 |
| CGGGGGACTA | GTCGGAGGAC | CAAACAAGGT | TACCAACACG | TTAGAGTTTT | GCCTTCAATT | 9240 |
| TACATTTTTA | AAGTAATCAC | AACGAAGTGT | TTAGATCACG | AGGCATCCCT | GCATGTAAAC | 9300 |
| TGTTAGGCAC | TAACTATGGT | CGATCTTACA | AAGCATTAAAC | TAGAATATTT | CTTTAGAGTA | 9360 |
| TGATAGTACG | TAACTGACCT | ACTATTACAT | ACAAACAGAC | CAACCTTTAG | TAACAGCGCT | 9420 |
| CCCCAAAAAC | CGAAAAGCAG | TAATACGCTT | TGCTCAAGGT | TGGCATAAAA | TTAACTTACC | 9480 |
| TTAGTGCCTT | TTTTCTTCT | ACCTACAAGC | AGTGAGGTTA | GCTCTTCCTT | TGAAACGGTA | 9540 |
| GGGGGGCTCT | GAAAAGAGCC | TTTGGGTTTG | ATAGCGTTTC | CGGGAGCTCA | GATACCTGTC | 9600 |
| AAATCACTTG | CCCTTGGCCT | TGTGGTGACT | CTCGGTCTTC | TTAGGCAGAA | GCACGGCCTG | 9660 |

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|-------|
| GATGTTAGGA | AGGACGCCGC | CCTGAGCAAT | GGTCACCCGG | CCTAGCAGTT | TGTTGAGCTC | 9720 |
| CTCGTCGTTG | CGGATGGCCA | GCTGCAAGTG | GCGCGGGATG | ATGCGAGTCT | TCTTGTTGTC | 9780 |
| GCGAGCCGCG | TTGCCGGCCA | GCTCCAGGAT | CTCGGCGGTC | AGGTACTCTA | ACACCGCCGC | 9840 |
| CAGGTACACC | GGCGCGCCTG | CCCCAACCCG | CTCTGCGTAG | TTGCCTTTAC | GGAGCAGGCG | 9900 |
| GTGCACTCGG | CCCACCGGGA | ACTGGAGACC | AGCGCGAGAA | GAGCGGGATT | TCGCTTTGGC | 9960 |
| GCGAGCTTTG | CCTCCTTGCT | TACCACGTCC | AGACATTGCA | ATCAGACAAA | AATCACCAAA | 10020 |
| ACCAGCGGCC | TAAGCTCACG | AGAAAAACAAA | CAAAATCAAG | AAATATGTAA | AACATGGCCG | 10080 |
| CTTTTATAGG | TAGTTCCTGG | GGAGTAAATC | CGACTTTTTG | ATTGGTCGGT | AGCAAATGCT | 10140 |
| AGTCAGATAG | CCAATAGAAA | AGCTGTACTT | TCATACCTCA | TTTGCATAGC | TCTGCCCACG | 10200 |
| GATGACAAC | GTGCAGTTTG | TCTTCCAATT | AACTAAGAGG | TACTCTCCAT | CCCTCATTAG | 10260 |
| CATAAAAGCC | CTATAAGTAG | CAGAAATCCG | CTCTTTACTT | TCGACACATT | TCTGGTGTTT | 10320 |
| TAAGATGCCT | GAGCCAGCCA | AGTCTGCTCC | CGCCCCGAAG | AAGGGCTCCA | AGAAGGCAGT | 10380 |
| GACCAAAGCG | CAGAAGAAAAG | ATGGCAAGAA | GCGCAAGCGC | AGCCGCAAGG | AGAGTTACTC | 10440 |
| TGTGTACGTG | TACAAGGTGC | TGAAACAGGT | CCATCCCGAC | ACTGGCATCT | CTTCCAAGGC | 10500 |
| CATGGGCATC | ATGAATTCTT | TCGTTAACGA | CATATTTGAG | CGCATCGCGG | GCGAGGCTTC | 10560 |
| CCGCCTGGCG | CATTACAACA | AGCGCTCGAC | CATCACCTCC | AGGGAGATCC | AGACGGCCGT | 10620 |
| GCGCCTGCTG | CTTCCCGGAG | AGCTGGCCAA | GCACGCCGTG | TCGGAGGGCA | CCAAGGCCGT | 10680 |
| CACCAAGTAC | ACCAGCTCCA | AGTAAACATT | CCAAGTAAGC | GTCTTAACAC | CTAACCCCAA | 10740 |
| AGGCTCTTTT | AAGAGCCACC | CAGATACCCA | CTAAAAGAGC | TGTGGCCAGA | CGCCAAATTT | 10800 |
| TATTTGGCGG | CGGAGGGGTA | TTAGAATATA | GGAAGTGGAG | AGGGGTGGGG | ACAAGTGTTG | 10860 |
| CAGCTTAGAG | AGGGACAAAAG | GGTCCTGAAC | CCGAAAGAAG | CCAGCCATTA | AAAATGGCTT | 10920 |
| TGGGGTCAAT | TCGTTGTGCT | TAAATTTAAA | ATGGAGACAA | GCGGCCATTT | TGCTAACTCG | 10980 |
| GCGTTCCCGG | AAGAAACCGC | AGGCTCGCTT | AGGTTTCAGA | CCCAGCTGTC | TGTCCCTGTC | 11040 |
| TACGTCGCCA | GGATCAACGG | TTGCCGTAAT | GTCATAATTT | CGCCACCAGC | TTCTAGCCAA | 11100 |
| TAGGCTGTCC | TGTCATTTTA | AATATTAACC | AATCGAGGGA | AAGCTGTTTT | GAGACTCTGA | 11160 |
| TTTACATAGC | GGACCGGAGT | GGGAACCTGG | GCAGTAACTG | CCTAAGGAAG | GACTCCCCCT | 11220 |
| CTGTTTTCGT | GGCGCACACC | TTCGTAGTAT | ACTGAAGGGT | GTGTCCTCTG | GGTTTCCAAC | 11280 |
| TGCCCCGGTA | ATAGTCTTTT | AACCTAATAT | GCGTCAGTTT | TGATAACAAC | ACTAAGGCAG | 11340 |
| TACAGAACTA | AAGATGTAAG | CACTGCGCCA | GATGTTGCTT | CATACATCTT | ATTCTATTCA | 11400 |
| ACTGGTTTAT | TCAAGATTCA | AATCAAATCA | AATTTTGCTT | GAATCCCAGT | GCTCAGTCAG | 11460 |
| CCATAAATGG | TGTGTTGCCT | GATTGAAACT | TAAAATCTCC | GTAGGGGGCT | TGTAACATGC | 11520 |
| AGACAAGTTT | GAAAGTTGCT | TTAGGAGAAG | CCAACCTTTA | ACTGCTGGGT | AAATTGACAA | 11580 |

| | | | | | | |
|------------|------------|------------|-------------|-------------|------------|-------|
| GCCTTCGAAC | ACTGAACTGA | AGGCCAGTAA | GGACTAGGCG | CTGGGTGGGG | GAGAATGAAG | 11640 |
| AGGAGACGTC | ATTAAACTTA | GCACATACAC | TGTATCTCCT | AGAGGACTCT | CCCTTCCTAG | 11700 |
| ACAACTGCAG | CCCCTTTTGT | GGCCTGGGAA | ATTCCACATT | CCCTTAAGTA | TTTTACTCAT | 11760 |
| GGTCTTTTCC | AGGTAAAGAT | TTTAAGATGA | AGGGTTAGAC | GTAGTCTACC | TATCTTTTTA | 11820 |
| TTCAAGTCTA | GAACACGTTT | TTAGCACCTA | GAAGTTTGCT | TTCTCCATTA | AAAACCGGGA | 11880 |
| ATATACAATA | AATAAAATTA | GTGTTAAAGC | AGATTTTTTAC | AAACTTAAAT | ACCATGTAAT | 11940 |
| TTAGGTTACA | GTTATTTAAC | ATAAGGACTG | TGTGATCTTA | AATCTGCAAT | TTCTTTCACA | 12000 |
| CCTGGGAAAT | AAACTAAGGC | CTGTCTTTGG | TGCCAGACAA | GGCCTTATAC | TTGAACACTG | 12060 |
| CTGTGCAATC | ACAGGCTGCC | TTGCCTAGAT | AACTTATCTG | AGAAATTCTG | ATGAGAAATG | 12120 |
| AAATTTCCAG | AGTCCCTCAC | AAGTAAATTT | TTTTTCTTTT | TTTTTTTTTTT | TTTTTGAGAC | 12180 |
| GAAGTTTCTC | TCTTGTTTCC | CAGGCTGGAG | TGCAATGGCG | CGATCTTGGC | TCACAGCAAC | 12240 |
| CTCCGCCTCC | CGGGTTCAAG | CCATTCTCCT | GCCTCAGCCT | CCGGAGTAGC | TGGGATTACA | 12300 |
| GGCATGCGCC | ACGACACCCT | GGCTAATTTT | GTATTTTTTAG | TAGAGACGAG | GTTTCTCCAT | 12360 |
| GTCGGTCAGG | CTGGTCTCGA | ACTCCGGACA | TCAGGTGATC | TGCCCCGCCTT | GGCCTCCCAA | 12420 |
| AGTCCTGGAT | TACAGGCTTG | AGCCACCGCG | CCGGGCCTAA | ATGGTTTTTTT | TTTTTCTAT | 12480 |
| GCCTCTAATG | GACCTGGTCA | CTTATTCCCA | TTCAGACTGA | CCGCTCTCCT | ACCTGCCAAC | 12540 |
| TAACTAATCA | GTGTAACCAA | AATCTGCAAA | CAAAATTCAG | TATTCTTTCC | CCGCCTTTTC | 12600 |
| CCCTTTCTCT | TACATAGATT | ATGTTTTTGC | CTGTGTTAGA | TGAAATAATT | CTATTGCTTG | 12660 |
| TTCTCTCTTC | TGTACAAGTA | CCCAGTAAGC | AAATTATTAA | CTTCTTGGTC | ATTTATTTCT | 12720 |
| GAATTTTCCA | CCAAGACAGT | GTTTATGTGA | GTCATACAAT | AAGAACCAAC | AGAAATGTGT | 12780 |
| GTCTTGAAA | CAGGTTGTCT | ATCCCTGGAC | CCTTTGAGTT | TTCTGTTTAC | TTTCTTTGG | 12840 |
| CTTTTGCATG | CTAAAAGTTT | ATCGTCCGCG | TTTGTTTGTT | TTGGTTATT | TAATTGGACT | 12900 |
| TGGCTGATTG | GTTGCATATT | GGTGGCAGTA | GTAGAATTTG | AATTCTGGTT | TTCTGGTCAC | 12960 |
| ATCATTAGT | GATTAGTCAG | TGGAGAGGAC | AGGAAATCTG | GTTTATTTAT | TAACCTTTTT | 13020 |
| TTGGGGTGTT | TTTGTTTGAA | GATGTTGATA | TTCTCTGTGA | GGACACAGGG | TTAGAGTTGG | 13080 |
| TGTTTTTCTT | TCTGACTTTA | CATGGGATTT | GATGTTTTGT | GCTTGTATGC | CTCTTTCCAC | 13140 |
| CTTCCAAAAC | TTGTCTTTTT | TGAGTCCAAA | TAGTTGTCGA | TATCTGCAA | ACCAGTATTC | 13200 |
| CTGTGTTAAG | ATGATATGAA | TATAAAATGG | CTGCCCTGTT | ATAACTTTTG | ACTTTAAGAA | 13260 |
| AGTGTTAGGA | CTAACAGGAG | ACAAAAAGGA | AATCAAGGAA | ACCGAATGTC | TGGTCTCAAT | 13320 |
| AACTGCTATG | GCAGAGGCTC | TACAGCTTAT | TATTAATTTT | AGTAATTTCA | CATTATTGCC | 13380 |
| CCTTCACGTT | CTTTAAGTAA | GGTTAGAGGA | CAGAAGAAAC | ATAATGTTGT | TACAAATTGG | 13440 |
| ACTATTGAGT | CAGGGAAAAA | AAAGAGTGCT | TTCAATATCT | GAATAAAACA | AAGATTTAAT | 13500 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| ATTTTCTAAA | CCTTAACGAG | TTTATTGTAA | GGGATGTGAT | GCTGGAAACT | AGGAAACTAG | 13560 |
| AATTTTCTTC | TAAACTGAGA | ATCAGAATTA | TTCATATTCT | CAGCAGTGGT | GCCACCTGAG | 13620 |
| GGACTTCTGA | TCTTAATTAC | ATACTTTTAT | TTCTTTAACT | GATCAACATG | CTAAATAGAT | 13680 |
| AACCTATGGC | TCTGTTTTTA | CCCACTTTAA | ATTCTGTTCT | ATTAGCACGG | TTAGCTTTCC | 13740 |
| TAATTGGCAA | TAAGATTGAG | ACTATCTTTT | TTTTTTTTTT | GAGACAGAAT | TTTGCTCTGT | 13800 |
| GGCCCAGGCT | GGGGTGCACT | GGCACAATCT | CGGCTCACTG | CAACCTCTGC | CTCCAGGGTT | 13860 |
| CTAGCAATTT | TCCTGCCTCA | GCCTCCCCAG | TAGCTGGGAT | TACAGGTGCA | CCACCACGCC | 13920 |
| TGGCTAATTT | GTGCATTTTT | AGTAGAGATG | GGGTTTCGCC | ATGTTGGCCA | AACTGGTCTC | 13980 |
| GAACTCAGGT | GATCCACCTC | GGCCTCCCAA | AGTGATGAGA | TTACAGGCGT | GAGCCACCGT | 14040 |
| GCCCAGAAAA | GACTATCTTA | TTTTATGAAT | TTAAATAATT | GTGAAATTAT | CCACTTAAGG | 14100 |
| GAATTAATAA | ATTATAATGT | AATCTTAAAT | TTTAGTTGGC | TTACATAAAG | ACTTAAAATA | 14160 |
| CATCAATTTA | AATAAAAACT | CATTTGTCTA | AAAAAAAATC | AAAAATTTTC | CTTGTGCTTT | 14220 |
| AAATGTGCTA | CCTCTTTAAG | TTCTAATTAA | GAGAAAAAAA | GTTTAACTGT | GAGTTTCATT | 14280 |
| AGTGGTCTTA | GTTAACAGCT | TAAAGTATTT | TGTAAAAAAA | ATACTTCACA | ATTTTTAAAT | 14340 |
| AACTTAAAAA | TATTAATACC | TCTTTTATTA | GGTTTTTTTA | ATAAGGAAAA | TATATAATAC | 14400 |
| ATCTAATCAA | GATTTTTTTT | GGACAAATTG | GCTTAATAAT | TTCATTTTAA | AAATGGCTTC | 14460 |
| TTTATTCTTA | TACTGTAAAA | ATAATATTAG | CAGAATATTA | TAGTATACAC | AAGTTTAGGG | 14520 |
| TTCATATTCT | AAAAAACAAA | AACAAAAGCT | AATTTAACTT | GCATTTACTA | AATTTCTTCC | 14580 |
| ACTAGTTGTA | CTGGTTACAT | GAGTTAACAT | CACTTTATTT | ATTATTCTAA | AATTGTAAAT | 14640 |
| TATTCATTGA | ACCAAATTAA | ATGATAATAG | ATAATGTCAT | TTTTAAAAAT | GGAATTAAAT | 14700 |
| TTTATGTTAC | TAATTATAAG | GATTCAATGT | GTGAGCTTAA | GTAAGTGTAT | CACAGTGTAT | 14760 |
| GATAACTTTA | AGAATTTAGG | TGAATATTAT | TAAATTGAGT | AAATTAATTC | TCAATCTTTG | 14820 |
| GATACCTGGA | CAATTTCTAA | ATTGGAGGGT | ACAAAATACA | AATCACAAGA | AACAGTGTAG | 14880 |
| TTTTATGCAA | ATAACATTTT | TACACAGTTT | AGAATAACCA | TTGATAAACA | GATAAGAGAA | 14940 |
| CATATGATTG | CCTTAGAATA | GATACTGTTG | CTTTCGCCAC | TTTAGATTG | TAAATCACGT | 15000 |
| ACTGTATACG | TGTGGGCGTA | GAGGACCATG | CAGGTTTTGG | ATGACTGCCT | CTGTTTTCGT | 15060 |
| CATGCCTATG | CGGGAACACA | ATTGCCTGCT | TTGTTTAAGG | GCTATGGTTA | ATCCAAACAG | 15120 |
| CTCTGACTCT | ATCAAGTACT | ATAGCTACAG | AGAAACACAA | GTAAGCATTG | GAGATAATGA | 15180 |
| CTACCTTGAG | CCTTTACTTA | TTTAAAAAGT | TGTTACTGTT | TGTTAATGTG | GTACATTCAA | 15240 |
| TTTACTATGG | ATTGTCACTC | TAAAATAAGA | CTTCAATCTT | TTTCTTATTT | TTATATAGCC | 15300 |
| ATGATTTATA | TTCATATCTT | AATGTAATAA | CCAATCTTCT | CTGACAACAT | TATAACAATG | 15360 |
| CTGGAACCTC | CATTTTCAGT | ACTTCAAACA | ACAAATACTG | CTTTTATACT | TCAGAGCAGA | 15420 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-------|
| TGGATATGTG | CTTCCCAGTG | TAAACACATT | TGGAATCTCA | CTGAGAAATA | CACTATCACT | 15480 |
| AAAAATACAG | TTCTGAGATT | CATTAAAAGA | CCTCCAGAAT | TCTGGAAGTA | GGAAGTTTCC | 15540 |
| TCTTCAAAGT | CTACAGAGGA | AGATGAGGTC | TGAAATAGAC | AGCTTCTTCC | TTCTTTTACC | 15600 |
| TGTGGTATTA | TTCTGTTTTG | TCCTTTTCTC | CATTATCTGT | CTTTCAGTG | ATGAAATTTT | 15660 |
| GATCTGGCCC | TCCCAAGTAT | TAAAAAACAA | GCAAATAAAC | AAATCTCAGT | TATATTTTAC | 15720 |
| TAAGATATTG | GCATGCTAAC | TTTTTGCAGG | TTTGTAACAA | GGACCTTTAT | AACTTGACTA | 15780 |
| AAAGTTCCTA | AATAAGAATA | TTTACTAGAA | AATTTATTTT | TGCCTGTGGC | CCACATTTGA | 15840 |
| GTCAAAATAA | TCAATTAGGA | AAAATGAACT | TGTTTAACTA | AAGTTGACCA | AACTGATCTT | 15900 |
| TGACCAAAC | GATCTTTGAG | ACCTATTCAT | CTAAGACAAG | CCAATTAAAT | TCTTGAGAC | 15960 |
| AATTTGTACT | TTAAGGAATT | CTTATAATAT | TTGTAATTAC | CCTCATAACT | TTTTTTTTTG | 16020 |
| CCCTACTTCT | GTGCTTCTCT | AATATGCAGA | TTATTAAATG | TTGTTACAAA | GCCATTGTCA | 16080 |
| AAAAAACAAA | AAACAAAAAA | CTAAACAAAC | TCACATGGTT | AGACTTGCTC | CTTTATGAGA | 16140 |
| TATTTTTTACC | AAAAATGGAG | GAGTTGAAAA | ACTCTGGTGC | CAGAAATCGT | GAAGACATGG | 16200 |
| CCTACCTAAC | ATGGAAATGT | TGGTTGTCAG | TGGAAAATAC | TACACAGAGA | TAGCCATAGT | 16260 |
| GCTGCACAGC | CAATCTTAAG | TGTTTCTAGA | GAATCACTAA | TTGTTTCTAG | AGAATCACTA | 16320 |
| ATTGTTTTCT | TTTAACATTC | TTGGTTTATA | CAAGAAGAGA | GTATCCATAC | TAAACTCTTT | 16380 |
| TCTACTGAAA | ATAATGTGCA | AACATAACAT | CCTATTCCTA | GACAGTTTGT | AGTTTTTTTC | 16440 |
| TCCCATTTCT | ATTTTATAAA | TCATCTTTTT | AAAATACTTT | GTTGAGTGAA | ATCAGTCCAT | 16500 |
| TGCTTGATAT | ACCTTGAGCA | CAAGTAAATA | GTATGCCAAA | AATTAAATGT | CTTTCAGTCA | 16560 |
| CAGTTTGACA | AACTCAACTA | CCCTGAGCCT | ATAGAGTGGT | AATAATTGCC | CTACTCATAA | 16620 |
| AGATGGGGTG | AAGATTAAAT | GAAATAGCAC | CTATAGAACA | CTAGTTCCAG | ACGTGGTATC | 16680 |
| ATGCTAGTAA | AATGGCTGCA | CAGCACTGCT | CAATGATGAC | AAAAAGTGAA | GCTTCTGGAG | 16740 |
| ACAGACTCCA | AGTTTGACTC | CCAGATCACC | ACATATAAGA | TGTGGGACTC | TGAGGCAGGT | 16800 |
| CATTTAATCT | CTCTGTGCAT | TAGTATCCTT | CTCTATACCT | TTACAGTGAT | GGTAATAGCA | 16860 |
| CCTACCTTCT | AGAAGTATGT | GAAGATTAAA | GATCCTTAAT | GCATATAAAC | CACTGTGTTT | 16920 |
| ACTGCTGTTT | GACAAATTTT | ATTTATAACC | ATCTTTACGC | TCCTAAAAGG | ACTTGAAGCA | 16980 |
| GCTTATGACT | GAAGACTTTG | GTAGGAGTTG | GCCTTCTATA | AATTATAAGA | ATTCATAAAA | 17040 |
| TTATTTGATA | TGAAAATGCC | AGTTGATCAT | AGTATGTTTA | CCGGGGTCCA | ACAGGTTGAG | 17100 |
| AAAAAATACA | CTTTTTTTCC | CTGAACATAT | GAAATTAGCT | CTCTAGGCAT | ATTCCTAAGG | 17160 |
| ACTTAAAGAA | TGATAACTAT | CATTTCTCTT | AAATCTTCCA | GATTTGGAAG | GATATATATA | 17220 |
| TTCAGCACAT | TGACAGACAA | TCCCAGTAGT | CCTAAATTAA | AAGACATTAA | AAATTAGTGA | 17280 |
| AACTTTTCCT | ACCTTTAGCC | TGTGTAATCC | TGGATGACCA | AGCATAAAAT | TAAATTGAGT | 17340 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| AGAGTATACC | ACTGTAACAT | TTCCTGAAAG | GTATTCTAGG | CTCTGAGTAA | TTTCTTTGGG | 17400 |
| GTCTGAAGAT | CAGTTTGACA | TATCCTCAAG | TATCATGAGT | TCATTATAAT | TAAGAAAAAG | 17460 |
| AGAGTAAATC | TGGAGAATGA | GCCACTTTCT | TACTACTCCT | TGACCTCAGT | TCTTTTTTTC | 17520 |
| AGAGACAGGG | TCTCACTTTG | TTGCCCAGGC | TGCCAGGCTG | GAGTGTAGTG | GCGCAATCGC | 17580 |
| ATCTCATTTG | AACCTCCACC | TTCTGGGCTG | AAGCCATCCT | CCTGCCTCAG | CATCCTGAGT | 17640 |
| ATCTGGAACC | ACAGCAGGTG | CACACCACCA | TGCCAAGCTA | ATTTTTTAAA | AAGTTTTTTG | 17700 |
| TAGAGATGGG | GTCTTACTAT | GTTGCCCAGG | CTGGTCTCAA | ACTCCTGGGC | TTAAGTGATC | 17760 |
| CTCCTGCCTC | AGCCTCCCAA | ATTGTTGGGA | TTACTAGTGT | GAGTCACTGT | ACCCCGCCCC | 17820 |
| ACTTCAGTTC | TGAGGAGGAA | AAAATATGTA | ATAATAATGG | GACTTTGGTT | TGCTGATTTA | 17880 |
| AAGATTCATG | TAACCTTATC | ATCCAATGCG | CAATTTGTAG | AATAATTAAT | AGAGACATCT | 17940 |
| GGTCTCATGT | TTCTACAGTT | GCTCATGCCT | TGATAGTAGA | TCTCCTTGCT | GCTGGCTCAG | 18000 |
| AAGGGTAAAA | GAGCAGAAAT | GATGGGGCTT | CTCTCATTCT | ATGAGGAAAT | AGACCTATGT | 18060 |
| AGAGGAGGCT | ACCTGTGGTA | AAACCTTATC | CTCATCACTT | AAAATTCTAG | GCTTATTCTC | 18120 |
| TGACCATATC | AAGTTTTCAA | ATGGTAAAAG | AATTGGATTG | AAGAGAAATA | TGAATAAACT | 18180 |
| TTTGTTTTCA | CTTTTCTCCC | TCCTCTCCCC | CCATTCTCCC | TTCTTTTATT | TTCTTGTCCT | 18240 |
| TAGTTTTCTT | TTCACTTTTT | TGTCTACTAT | TATTTGCCCA | AACTCAACTG | TAGGCTAGAA | 18300 |
| CAAAAAAAAA | TTGAAAATTA | AAATGTGCCC | CTTTTGTTGT | TAGACTTGCT | TAAACAATTG | 18360 |
| GGGTAATGAA | CCTTGACAC | TAGATTTTAA | AACACACACA | TTTGAGCTTC | AGTGCCTGA | 18420 |
| AATAAATATA | TTTTTAACAA | TTAAAAAATA | AAATTGCATG | TTTAAAAAAT | CTGCAGAGAA | 18480 |
| CAATACACGT | TGTGAGATCT | TGAATGGAAG | GAAAACTGCT | AGCCTCAAGA | GTGGATCAAA | 18540 |
| GATGCTCAGC | AGGCAACAGA | GTAAGAGCAT | GTTGGAGGGT | TTAGAGAGTG | TGCTCAGGGT | 18600 |
| TCTAGGCTCT | AAAAATCAGA | CAGTCCCCAC | GGCTTGGCCT | TCGTCGCTGT | ATCTTCTTTA | 18660 |
| TGAAAAACAC | TAAGTCTTTT | TCCTCACTGG | ATAAATTTTT | ATCCTTCAAG | TTTAGATCAA | 18720 |
| ATGGAACCTT | AGGACACTGA | CTAGGTTACA | TTCATCTTTT | AAGAGCGTAC | AGACATTCAA | 18780 |
| GGGCTAGAGG | ATGTGGGTTT | ACTGCACAGG | CTCATTATCC | AACAGCTGTG | CTACCTGGGA | 18840 |
| AACTTAACCT | CTCTGTGCCT | TAATTCCTC | ATCTATAACG | CAGGGAGAAT | GACAGTAGGT | 18900 |
| ATCTCATAAG | GTTGTTGGAA | CAACTAAATG | CATTGGTATC | TATTGTGTAA | AGTGCTTAAA | 18960 |
| ACACTGCCTG | GCACAGAGCA | AACATCCAGT | GAACCTTAGC | CATCATCATT | ATCATTGTTC | 19020 |
| TCAGAGTCAA | ATACAATATC | TCATATCTGA | TAAATTACAG | AAGTGAATCA | ATCACTCTCT | 19080 |
| CTCTTTTCTC | CAGGGGGAGA | CAACAGCTTT | TAGACATATC | TTTTCCAACA | GTCGTCCTG | 19140 |
| CTGGACACTG | TTTCATCTTG | CAAATAAACC | AATGAAAATG | AGTGATCCTA | GAAGAAGATA | 19200 |
| AATGGAGGTA | TTTTGAACAA | TCAAAGAAGG | ACAAATGAAC | ACCTGGCTGA | GAAAAATTAG | 19260 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|-------|
| CTCTTTTTTC | TATGCATAAA | ACTATTAAAA | TATTCTTCAT | AGAAATTTAT | GACACAGGAA | 19320 |
| ACATAAAGAC | AAAATTAAAA | TAACTCCTAG | TATCTCCTAT | TCTTTTTATA | TGTATATTAT | 19380 |
| ATATACTCAT | ATTCATATAT | ACATATATCT | CACATCATGT | ATCATATATA | AAATAAATTT | 19440 |
| AGGTGTCATG | ATATATATTT | AGATAAATAT | ACTTAGAAAC | TTTTTTATGG | ATGTATAATT | 19500 |
| TATGGATATA | TTGATAATTA | TGTATTTGTT | ATTGACTACT | TCAATTGATT | CCCATTTTTA | 19560 |
| TGCATTATAT | TATAGATTAT | ATAGCTCACA | CATCTTTGTA | CATAAATCTT | TGTTCAAATA | 19620 |
| TTATTTCCCTA | AGGATAGACT | TCATGAAGTG | GAAATACTAA | ATCAAAAGTG | AAAAACATTT | 19680 |
| TCTAAGGTTT | TTAACATATA | CATTGCCAAA | TTGCTATTCA | GGATCATACC | AATTTATAAT | 19740 |
| CCCCAAATAA | TATGGAAATT | CCTGTTTTAT | AGCACTCATA | TTTACAATAA | ATTTTAAAAA | 19800 |
| TCACTGTATA | CCTAATAGTC | CTTCAAAAGA | AAAAAAAATT | GAAATTACAT | TATTTTAATG | 19860 |
| ACTCTATTAG | TGAGGGTCAT | TCTTCCCATG | TTTCTTGTTA | GCCATGACCC | TATAAGAAAT | 19920 |
| AACTGCACT | GCAAAATGAT | AAACATGACA | TCAATCATT | CATGGGAAGG | CACTATATAA | 19980 |
| AGAATAATAC | CTTAGGTTAA | GGCCACATAA | ATATTTATCA | GGTGCCTTTT | CTGCGGAGGA | 20040 |
| CTCTGAAGGG | ATACTAAACT | GCATTTAGCT | GCATGCAACT | GAAACTACTT | TTACCTACAT | 20100 |
| TGTCTCTTAT | AAACATTATA | ACTACTCTTT | GAGAAAGTGT | TTACTATGGA | CTGAATTGTC | 20160 |
| TCCCCATCCC | CCCAAATTCA | TATATTGAAG | CCATAAACCC | CAATATGACT | CTATTCCTAG | 20220 |
| ACAGGACTTA | TAAGAGGTAA | TTAAGGTTAA | ATGAGGTCAT | TAGGATGGGT | TCCTAACTGG | 20280 |
| ATAGGATTGG | TGGCCTTATA | AGAAGAGGAA | GATTCTGCAC | TTGGTCTTCC | AAATTAAATA | 20340 |
| ATTTATTTAA | AAGAAAAAAA | AAAAAGAGGA | AGAGAGGGAG | CTCTGCACAT | ATACTGAGGA | 20400 |
| AAGGCTATGT | GAGCTCTCAC | AGTGAGAAGG | TAGCACTCTA | CAAGCCAGCA | AGAGAGCCCT | 20460 |
| CAACAGAATC | CAGCCATGCT | ATACCCTGCT | CTGAGACTTC | CAGCCTCCAG | AACTGTGATA | 20520 |
| AAATTTTGTT | GTTTAAACCA | CACAATCTAT | GGTATTTTTT | TATGGCAGCC | CAAGCCAACA | 20580 |
| AAGACAGCAT | CATTGCTGTC | ACTTACAGAC | AAGAAAATA | AGACTAGGAG | AGAGAAAAGT | 20640 |
| TAACTTGTC | CAAGGTCACA | AAAGCCAGAA | ACAAGTGAGG | TGAGAAGTTG | ACCTTGTTCT | 20700 |
| CCTCAATCCA | AGGCCAGGAC | TCCTCCACTC | CACATGTAGA | TAGCCACCTC | ACAGTCAACA | 20760 |
| GCCAAATGTC | CACACCCAG | AGTCAGCATT | AGACCAAGAT | GTCTTACCAG | GAGACAAATG | 20820 |
| CCTCATCTTG | AATAAATATG | ATCTAACAAAC | TTACCCATGT | AAAACATTGA | ATCTCATGAG | 20880 |
| AAACAAAAAT | GCAAAGTATG | TAGAAAATA | TGTTTACCAC | TTAACTGACA | GTGATAAAAA | 20940 |
| GCTTAATGAT | ATCCTTATAG | TCTTGAGGGG | GTTTGTATAT | GTGGTGAAAC | AGGTGCTCAC | 21000 |
| GCACTGCTGA | TAGACTGTAA | ATTGGTCCTA | GAGAGAAAAA | TAAATAAACT | GGAAGGAGAT | 21060 |
| ATGCTGTATG | TTTACTTTTT | TTATGGAAAC | ATATGATATA | CCTGGAAATT | CGATTGACCA | 21120 |
| TGCATCTATT | TCTTCAATGG | GTATGCACAG | TTGAGCTGTT | CCCATGCACC | AGGCACTGTA | 21180 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-------|
| ATGGGACAAC | TGCACATGAC | AGTCAAAAAT | CTCAGTCTCA | TGAAGTCGAC | ATGCTCATGG | 21240 |
| AGAGGTGCTA | CCCACTAAAC | TAATATTTGT | ATATCAATTA | TGGATACATT | GGGCCACATT | 21300 |
| TACAGAAATT | CACTTACAGT | GGGTACCAG | AAGGGATTTT | TTTTCTTGAT | TGGCAAGAAG | 21360 |
| GCTAGGCTGT | TTTGTGGGG | GCTGGCAGGA | GCTGTCTAGG | CTGCCCAAGT | ATGCAGGTCT | 21420 |
| CTTCTATCAT | CCTGTGTTAA | CCATCTTCCA | TGTATCTTTC | AACCTCATGG | TCATCTGCAG | 21480 |
| CATGTCTAGG | GGTCATATCT | ATGTTCCATG | CAGGAAAAAA | GGGTAAAGGG | AAAGGGAAGT | 21540 |
| AGGCATGTAC | CATTTTAATG | CACACCTTGG | TTTTCAGAAA | ATTTAAGAAG | AAAGACTTTC | 21600 |
| TGCTTTTCTC | TGACTATTCT | GTATTCTGGA | TTACAACGCA | ACAGAAACGT | CACCTTAAAT | 21660 |
| TCTAATGTTT | TTCTCTCCTT | GCTTTCAAAA | ACTGACTCAT | TAACCTCCAC | GTGGCTTGGA | 21720 |
| AAAATTATTT | CAGTCATCCA | GTAATGAGCT | GTTCATAGAA | ATGTTTTGGA | CATCAAGTCT | 21780 |
| GTGTTGTTAG | CATTATACAT | GTTAAGCATT | GAATAAAAAA | CAACATGATG | TGGGTAAATT | 21840 |
| TCTTTACTTA | CATATAAGTA | CTTATATACT | TATAGCTGAA | AAGAGAGGTT | GAAATGTCAG | 21900 |
| GTGGAACAGA | AATAAGATTA | CCTAGATGTT | TCTCCTATGG | GTGATTTTCA | GCTATGCTGA | 21960 |
| TCTTTCTTCT | GGGTCAGGTA | CTCCCAGAAC | TTCCTAATTA | AATGGTGGCC | CTGATCTTAG | 22020 |
| TTCCTCTCTC | CTCTTAGACA | TTTCCAGGA | CTACAGAAGA | TGTGCAGTTT | ATAAATGAGT | 22080 |
| AGCAGAAACC | TACTGAACAA | ATTATTCAGG | CTCATCTGAA | CAGAGAGGAC | ACCTTCTCTG | 22140 |
| CTATACTCTC | TCAGTGATTT | CCCTGCCTTG | GGGTCAATTA | TTGTCTTGGA | CATTGATTTA | 22200 |
| AGCACATAAT | AATTGTTGTC | ATTGCTTATG | TTTGGATTTT | ATCTCCCAA | ATAGATGGTA | 22260 |
| AATTCTTTAG | TTTAGAGACC | AAGTAATACT | TAAAAAATA | TTTTGTGTGT | GTGTGTGTGT | 22320 |
| TTTTTCTGTG | TCTCTCAGCC | CTGTAATAGC | ATCGTACTTA | CACTTGTTAG | ATTTTLAGAG | 22380 |
| ACAACTTTTA | CAAAACATGG | AATTATCTAC | ATACCCTTTC | TACAAAACAG | ACAAATTAAA | 22440 |
| TACTCAGTAG | TTGAACCAA | AAAAGCAGTT | CAAAATAAAAT | ACTTGAAAAT | GAAGAAATCA | 22500 |
| TTTGAACAGA | GTTAAAGTTA | ATCGTAAAAT | AATGTCTGTA | AAAATTATTG | CCAATCAAAT | 22560 |
| ATAAAGTTCA | AAAATAGTGC | TTGAAAAAGG | AAGAATCATA | TGAAAAGGGA | CTACTCATTT | 22620 |
| TAAAAATGTT | AGATATCAGG | AAAAGCCAAG | AAGTGAGTAT | GGTAAGAGTG | CTGTCAAGTG | 22680 |
| AAACCCTGCT | AATCTCACTG | AACATGTAAA | AATCTGTAGA | TGCCTTTATT | TTATTCCTC | 22740 |
| ACACACATAT | GTAGAAAGAG | AAATATATGG | TAAACATTAA | AAAAACCAA | TTAGAATGTA | 22800 |
| AAATTAATAC | TTTAAAAAAT | GGGCTGTATA | CTTTTCTTAT | CACCGGAGAT | AAGAATTTAT | 22860 |
| TATTTTTTAA | ATAAAGTTAT | TTTCTCTGTG | ACTGTTTCCA | TGACTTTGCT | ACTTAGAAGT | 22920 |
| TAGAGATGCC | AAAGTTTATC | TAAGAAAATG | TTTATGGAAA | TATTATTTCA | ATAATGAATG | 22980 |
| TTTAGAAGAC | TGAATTCCTT | GACTGGGCGC | AGTGGCTCAT | GCCTGTAATC | CCAGCACTTT | 23040 |
| GAGAGGCTGA | AGAAGGAGGA | TCGCTTGAGT | CCGGGAGTTC | AAGAGCATCC | TGGGCAACAC | 23100 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-------|
| AGCGAGACCC | TGCAGCAAAG | TAAAAAGAAA | AAAGAATTGA | AAAAGGAAGA | CTGAATTTCC | 23160 |
| TTTGGGCAAG | TCATGTGACA | TTCTGTGCC | TCAGTTTCTT | CATCTATAAA | GTTAATTCCT | 23220 |
| ACATTTTTGG | GGAAGGGAGA | GAAAACTTA | GGATAGTGAC | TGGCACAGAA | GAAGCACTAT | 23280 |
| ATACTATATA | TATGTGGATA | TCATTTGTTT | TTATGGTACC | ATTTTAGCTA | TCTAATGCAA | 23340 |
| AATATGAATC | TTTTTTTTCT | GGGTCTTAAA | TTATGGAATG | TAAGAATTTT | CTAAATTCCT | 23400 |
| TAATTCTGTG | TTAGTTTTAA | AGCAATGGAG | TAACGTATCT | GTCAACTTGT | AAATATAAGG | 23460 |
| ATCAACCTGA | TCCACAATTT | GACCCCTAGC | CACTAATATT | TAATAGTACA | ACACTCAGAA | 23520 |
| ATTATCAAAG | GTCAGAGAAG | CCAAACAAAT | GTAAAAACAT | ACAGGTGCTC | AGAAAGATGC | 23580 |
| ACCTGTAATC | TCTCTAAGGA | GAAATATTTT | CCAACTGAG | TGACACGGTG | CTTTAGTGAG | 23640 |
| TTGTGGAATC | AATCTCATGA | TTTCCAACCT | AGTGTTCCTT | TAAAAATGAA | CTAGTCCACA | 23700 |
| GTAGAATATA | CTAAAGTGCT | GGTGCTTAAG | ATAGTATTGT | TTTCTGGAAA | AAAAAAAAAA | 23760 |
| ATTTTTTTTT | TTTGAGACAG | GGTCTCGCTC | TTGCCCAGGC | TGAAGTGCAG | TGGCACAATC | 23820 |
| ATGCTCACTG | CAGCCTTGAC | CTCCTGGGCC | CAAGTGATTC | TCCCACCTCA | GCCTTTTGAG | 23880 |
| TAACTGGGAC | CACAGGTACG | TGCCACCACA | CCCGGGTAAT | TTTTTAATTG | TAGAGACAGG | 23940 |
| GTCTTGCTAT | GTGCTTAGGC | TGGCCTTGTC | AACTCCTGGG | CTCTAGTGAT | CCACTAGCCT | 24000 |
| CAGCCTCCCA | AATTTATGGG | ATTATAGGCA | TGAGCCACCC | TACCTGGCCT | GTTCCCTGAA | 24060 |
| TTTTTTTTTC | TTTCAGGTGT | TTGTGCATAT | GTGTGTGTGT | ATGGGTATAA | CAGAGAGACA | 24120 |
| GAGAGAAAGA | AACTTTTCTA | TCTCACTTTG | CAATCAGAAG | TTTGAAGTCT | TATCTTTTGG | 24180 |
| CTTTTGTTTC | AGAAATATTT | CAAATGTAGA | CTCTCTCCTT | TACCACACTG | TCCCCTTAGG | 24240 |
| CAAGGTCTTT | GCCATTCTTC | TGAGACTATT | GCAACAGACT | CCCAACTTCT | GACTGTGGGC | 24300 |
| CCTTCTCAAA | AATGATTGTT | TATGCAATAA | ATCTAAACCC | AAGACAACCTA | CAACAATACA | 24360 |
| ACAAATCTCT | TGCTTAAAAA | CTTCCAATGT | CTGCGGGGCG | CGGCGGCTCA | CGCATGTATT | 24420 |
| CCCAGCACTT | TGGAGGCAGA | GGCGGGCAGA | TCACTTGAGG | TGGGGAGTTC | GAGACTAGCC | 24480 |
| TGGCCAACAT | GATGAAACCC | CATCTCTACT | AAAAATACAA | AAAATTAGCC | AGGCATGGTG | 24540 |
| GTGGGCGCCT | ATAATCCCAG | CTAATTGGGA | GGCTGAGGCA | GGAGAATTGC | CTGAACCTGG | 24600 |
| GAGGTGGAGG | TTGCACTGAG | CCAAGATCAC | ACCATTGCAC | TCCAGCCTGG | GCAACAAGAG | 24660 |
| CAAACTCTG | TCTCAAACCA | AACCAAAACA | AAACTTCTAA | TATCTACCAA | ATGTTTCACA | 24720 |
| CAAGTATTTG | GGGATCTTCA | CAAATGGCCC | TTATGGAGTT | TTCCTTTGCT | GAGACCCTAT | 24780 |
| GCTCTGGCCA | CACTAAACTC | ATTGAGCATC | CCAGAAAGGC | CTCAGCCTTT | GTGAGCAAGC | 24840 |
| TCTTATCTCC | AGGCCTCTCA | CAAAGACCTG | TTCCAGTAGA | AGCTCAGGGG | AGCACACTGG | 24900 |
| ACATTATTCC | AACAACCCTT | TCCCCACAGC | TATGCAGCCA | AATCTGCCAG | CTCAGTTAAT | 24960 |
| TAATTAAGCA | ATTCAGAGAT | GAGGGTCTGC | CCAGGCTGGA | GTGCAGTAGC | TGCGACCTCA | 25020 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|-------|
| AGCTCCTGGG | CTCTAAGTGA | TCCTCTTCAG | TCTACCCAGA | AGCTGGGACT | GCAGGCATGT | 25080 |
| GCCACCACAC | CCAGCTAATT | TTTTTTTTTT | TCAGTAGGGA | CCAGGCCAAC | CTAGTCTTGA | 25140 |
| ACTCCTGGCC | TCCAGCCTTC | CGAAGTGCTG | TAATTACAGG | CATGAATCAC | TGCGCCCAGC | 25200 |
| CAACCCGCCC | AGTCTTGTTA | GACATGGGGT | CTGTAGTTTC | TAGTAGGTTC | TTGAGTCTAG | 25260 |
| GGTTCCTACC | TCATGTTTTA | TAGTTAATTT | AGGGGAGGGA | CTGTGTCTGT | TTATCTGGGG | 25320 |
| ATGTAGGGGT | GGGCAGGGGG | ATAGAGGGGA | CTTCAATTAA | TGAAACCAGA | AGCAAACTC | 25380 |
| AGTTGAGGAC | ACCGGTCATG | AGAGTGGCCT | GATTATGGCC | AATCTTACAT | AATGTGTGAG | 25440 |
| ATCTTGATAT | TACCCCATCC | TTGAGAGTCC | TCTATAAAGC | TACAGGGACT | TGGGAGCACC | 25500 |
| TTTAATTACA | GACAACCCAT | GTTCTGTGG | ATTATGATTT | ATTAGATTGC | ACATGCCTAA | 25560 |
| ATAAAGACAT | CCTCTGCAGT | CTTTTGACAA | TTCTATAAGC | ATCTTCTGAC | TCCGCAATTA | 25620 |
| GACAGCTAAG | AGATCTGTGT | TACTTCCCTC | ACATATATAA | ATAATTTTAA | ATAAAAATCA | 25680 |
| TGGCGTGAAT | AATTTCTTTC | CTCTACCGAT | TTGAAGCTAT | CCATTTGGAA | GACCACTCTG | 25740 |
| AAGAGATGAA | ATAAGTCTTC | TGCCAAAGAT | TACTTATTAA | TTTACAAGGA | AAAGGGGAAG | 25800 |
| TTTTGTTCCT | CTCCGTGAAT | TTGATTGAAA | ATCGAGGGCT | TTCTCGAATA | GTTTTGGCAT | 25860 |
| CCAGGGTCAT | TTTTTCATTAA | AAAGAGAAAA | GTCATGTCAA | ATATGAATTT | CCGCAGATTA | 25920 |
| TTCAGCACTA | GACCCTGGGA | GATTCTGTAA | AGAGGGGTTT | TGTTATACTC | AACTTTTCCG | 25980 |
| GGTAAACAA | ACACAAATAC | TCCTCCTCCA | AGGGGCGGGG | GCGGTGCCTA | GGTGATGCAC | 26040 |
| CAATCACAGC | GCGCCCTACC | CTATATAAGG | CCCCGAGGCC | GCCCGGGTGT | TTCATGCTTT | 26100 |
| TCGCTGGTTA | TTACATCTTG | CGTTTCTCTG | TTGTTATGTC | TGAAACCGTG | CCTGCAGCTT | 26160 |
| CTGCCAGTGC | TGGTGTAGCC | GCTATGGAGA | AACTTCCAAC | CAAGAAGCGA | GGGAGGAAGC | 26220 |
| CGGCTGGCTT | GATAAGTGCA | AGTCGCAAAG | TGCCGAACCT | CTCTGTGTCC | AAGTTGATCA | 26280 |
| CCGAGGCCCT | TTCAAGTGCA | CAGGAACGAG | TAGGTATGTC | TTTGGTTGCG | CTCAAGAAGG | 26340 |
| CATTGGCCGC | TGCTGGCTAC | GACGTAGAGA | AGAATAACAG | CCGCATCAAA | CTGTCCCTCA | 26400 |
| AGAGCTTAGT | GAACAAGGGA | ATCCTGGTGC | AAACCAGGGG | TACTGGTGCT | TCCGGTTCCT | 26460 |
| TTAAGCTTAG | TAAGAAGGTG | ATTCCTAAAT | CTACCAGAAG | CAAGGCTAAA | AAGTCAGTTT | 26520 |
| CTGCCAAGAC | CAAGAAGCTG | GTTTTATCCA | GGGACTCCAA | GTCACCAAAG | ACTGCTAAAA | 26580 |
| CCAATAAGAG | AGCCAAGAAG | CCGAGAGCGA | CAACTCCTAA | AACTGTTAGG | AGCGGGAGAA | 26640 |
| AGGCTAAAGG | AGCCAAGGGT | AAGCAACAGC | AGAAGAGCCC | AGTGAAGGCA | AGGGCTTCGA | 26700 |
| AGTCAAAATT | GACCCAACAT | CATGAAGTTA | ATGTTAGAAA | GGCCACATCT | AAGAAGTAAA | 26760 |
| GAGCTTTCCG | GGAGGCCAAT | TTGGAAAGAA | CCCAAAGGCT | CTTTTAAGAG | CCACCCACAT | 26820 |
| TATTTTAAGA | TGGCGTAACA | CTGGAAACAA | GTTTCTGTGA | CAGTTATCTA | TAGGTTTAAG | 26880 |
| TTGTGATGCA | GCTGAGTTGA | AAAGGCTTGA | GATTGGAGAA | TTAATTCAGG | CCAGGCTTCA | 26940 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-------|
| AGACCATCCT | GGGCAACATA | GCCAGACTAC | CATCTATACC | AGGGGTCCTC | ATTTCCCCGG | 27000 |
| CCACCGACCG | GTAACCGGTC | CCTGTCCATG | GCACGTTATG | AATTGAGCCG | CACAGCTGAG | 27060 |
| GGGTGAGCGA | ACATTAACCA | ACTGAGCTCC | ACCGCCTGTC | AGGTTAGCTG | CAGCATTAGA | 27120 |
| TAGATTCTCA | TAAGCTCAAA | CTGTATTGTG | AATGGCACAT | GCAAGGGATC | TAGGTTTCAG | 27180 |
| GCTCCTTGTC | ACAATCTAAT | GCCTGATGAT | CTGAGGTTGG | AGCAGTTTTA | GTCCGGAAAT | 27240 |
| CATTGCTCCC | AGCCCCTGCA | CCCCCTGGTC | CGTGGTATAA | TTGTCTTACA | CAAAACGGTC | 27300 |
| TCTTGTGTCA | AAAAGGTTGG | AGACTACTGG | TTTTACAAAA | AAGTAAATTA | GTCAAGCATG | 27360 |
| GTTGGCACGC | TCCCTTAGTC | CCTGCACCCA | GGCGTTTAAG | GATACAGTGA | GCTATGATGG | 27420 |
| TGCTACCTCA | CTCCAGCCTG | GGTGACAGCG | AGTCAGACGT | TGTCTCAAAA | CTTAAAAAAA | 27480 |
| AAAAAAGTTA | AAACAGAAAA | AGGGCTTCTT | GTCAGAGACT | GCCGTATATC | TAGAGGTCCA | 27540 |
| GGAACTAAAA | AGTCTGATGT | CCAATCCTGA | AAAGCTCGAT | GGTGCACTAG | AGGAGGCTTT | 27600 |
| TACATGTAAG | AGCATCTAAG | TTCTGGAAAT | GCCAGTGTCA | GGGAAGGGAA | GTGGAGAGCA | 27660 |
| ATTTGGCATC | CAAACATAAC | TTGCTGATAC | TTTTTTTTTT | TTTAACACAA | GTACTACATT | 27720 |
| CTAGTCTTTC | TGTGGTGTCA | TTGTAAGTAT | TGTTTCTTAA | TATGCTATCC | ACTGACTTCA | 27780 |
| AGGGATCAAT | AAATAGGAAT | CAAGGTGTCC | CAGAATATGG | ATTAGGGGAG | TTTTTTTTGTT | 27840 |
| GTTGTTGTTG | TTGTTGTTTT | TCATCTATTC | ATTATCCTGT | AGCTGAAATT | TAGAATTTTC | 27900 |
| TTCCATTGTG | TGTGACTGAT | AGAAATAACA | AATTTGTAGG | TTATAGTTGT | TGCAAGAATC | 27960 |
| TGGAAATCGT | GCTTGCTTAT | TTCCGAAGTA | CTATTAGGTA | TATCAACAAA | AACACACATA | 28020 |
| TTACGGTCAA | GTGGTTTGAT | AATTATTTTA | ATATTATTGG | TCTAATACAA | TTGTAACCCCT | 28080 |
| ATGAATTACT | TTAAGTATCT | TATTTATGAA | AAGAATCTGT | AAGTTTCATC | AGACTACCAG | 28140 |
| AGCATACCGA | AGACTGAAAA | ATTTTAAGAA | TCCAAACCTT | AATGGAAATG | TTGGAGGCTG | 28200 |
| CCCAATTAGG | TTCTGAATTC | CACCTTCCTG | AATCACAAC | TTGTTTTAAC | TCTCAGTCTG | 28260 |
| AGGTAAACTA | CGTTTCTCTT | TAAACAGACA | TAGTTTAATT | TTCCTTTGAT | TTTTGATTTA | 28320 |
| GTATTCTTAC | TGATCATCAT | AAATAACCAA | TGCTAATGTT | AGTCTACTTT | GGACCATGGT | 28380 |
| ATTTGAGAG | ACTTTGAACA | AAGTCCCCTG | CAAACTATG | CATTGCATTA | TTTCACATAC | 28440 |
| ATTTATGTTT | TCCAGACGGT | TCAATAGTAC | CTCACTTTTC | TGAACTTATT | TGTATAGTTT | 28500 |
| GGCATCTTTT | TAAAAATTGT | GTCCTATAAT | GAAAGGTTGT | AAACATTATG | TTTTAAATTT | 28560 |
| GTATAGATAA | AATCAACCAC | AGACCTTTCC | TTGCTTGGAT | GTAATTGCCA | TTGTTTCCCA | 28620 |
| ATGAGTTCGG | AATTACTAGG | ATTGTGCAAA | AATATGCCTC | ACTTGCCTGA | CATAGCAGAG | 28680 |
| AGCCATTTTG | CCTAAATGCT | GTGCCAGCA | ATGGACTGTC | ACCAGATTCT | CATCACATAC | 28740 |
| AGTGAGGATG | AACAAGTAGC | CTCTCCAGC | AGCTGGCCGG | TCTCTCAATA | ATATGGGACT | 28800 |
| CCCTCAAGAT | GGCTTCCTGC | ACCTTTGCTC | CTCTAGCCTT | GTATGTATAC | AAGGCTAGCA | 28860 |

| | | | | | | |
|-------------|-------------|--------------|--------------|-------------|------------|-------|
| TGCCTGGCAT | ACATAAGGTT | AAAAACAAAA | TCAATAAGTT | ATGGTTCTTC | CTCCAGTTCT | 28920 |
| GGGGATTATT | AGACCACTTT | TTTGT TTTTGT | TTTGT TTTTGG | ATGGAGCCTC | GCTCTGTCAC | 28980 |
| CCAGGCTAGA | GTGCAGTGGC | ACAATCTCGG | TTCAGTCAA | CCTCTGCCTC | CTGGGTTCAC | 29040 |
| GCAGTTCTCT | GGCTCAGCCT | CCCACGTAGC | TGGGATTACA | GGTGCCCGCC | ACCACGCCCC | 29100 |
| GCTAATTTTT | GTATTTT TAG | TAGACGGGGT | TTCACCATCT | TGGCCAGGCT | GGTCTTGAAC | 29160 |
| GCCAGACCTC | GTGATCCACC | CACCTTGGCC | TACCAAACTG | CTGGGAATAC | AGGCGTGAGC | 29220 |
| CACCGCGCCC | GGACTTAGAC | CACCTTGT TTT | TGGCCAATAG | GACAACAGCC | ATAGAACCCT | 29280 |
| CCGCAAATGA | GAGCTTGTCC | CTAAAGATGC | TTTATTTACA | TAGCTGTGTG | CCGCATGAGC | 29340 |
| CAAAAGGTGA | TAACCTTTGT | TCAACACGCG | CCTCCAGCCC | TTCGGTTAAG | TCCAAAGTAC | 29400 |
| CATTCTTAGA | ATGCTCTAAA | ATACATAATT | TTTTTTTTTTT | TTTTTTTTTTT | TTTTTTTGAG | 29460 |
| GAGTCTCTCT | CTGTCTCCCA | GGCTGGAGGG | GAGTGGCGCG | ATCTCGGCTC | ACTGCAATCT | 29520 |
| CTGCTTCCGG | GCTAGCTGGG | CCTACAGGTG | CAGACCACCA | CGCCCGGCTA | AGTTTTGTAT | 29580 |
| TTTTTTTGGT | AGAGGGGGTT | TCACCATTTT | GGCCAGGCTG | GTCTCGGATT | CTTGATCTCA | 29640 |
| AGTGATACAC | TAGCTTTGGC | CTCCCAAAGT | GCTGGGATTA | CAGTCGTGAG | CCACTGCGCC | 29700 |
| CAGCAAAAATG | CTTTTTGTGG | AGCCAATCAC | TTTATTAGCG | CTTACCTCTC | TATGCCTACT | 29760 |
| TTATGCTTTG | AAATTTTGTC | ACAGTGTGGC | CGGTCATGGC | AAACACAATT | CATTCTTATG | 29820 |
| CAGGATGTCA | CGGTTATTTT | TGTCATCCAA | ACTCATTCTC | GCAACGCATT | TCAGCTCTTT | 29880 |
| AAACGACTTT | GTGAGCGGCC | CTGAAAAGGG | CCTTTGGGTT | TTTTTGT TTT | TGTTTTTTGA | 29940 |
| AGTTCTCAGG | AGACCGCGTA | TTCTTAGATT | CAGCCGCCGA | AGCCATACAG | AGTGCGCCCC | 30000 |
| TGACGTTTTA | GGGCATATAC | TACATCCATG | GCTGTGACAG | TTTTGCGCTT | GGCGTGCTCC | 30060 |
| GTATAGGTGA | CGGCGTCTCG | AATAACGTTT | TCTAAGAAAA | CCTTAAGCAC | ACCTCGAGTC | 30120 |
| TCCTCATAGA | TAAGACCGGA | AATGCGCTTG | ACGCTACCGC | GCCGAGCCAA | ACGGCGAATA | 30180 |
| GCCGGTTTTG | TAATGCCCTG | GATGTTATCC | CGGAGCACCT | TACGATGGCG | CTTAGCACCA | 30240 |
| CCCTTCCCCA | AGCCTTTTCC | GCCTTTGCCG | CGACCAGACA | TGATTCCTAT | CGCAGTGGA | 30300 |
| GGTATGAACT | GAAACAGTTC | CTTAAATACA | AACTTGGCGG | ACCTGATTGA | AAACAACATG | 30360 |
| AGTTGGCGCG | GTTTTTTTTT | TTTTTCAAAT | TTGGTCACCA | AGTGGGTGGA | GCAAGAAAAA | 30420 |
| CTGTTTCATT | ATGGTTCATT | GTTTTGATTG | GCCAGTGACA | GCTTGCTCTT | TGTGGGAGTG | 30480 |
| GAAGGGTGTT | TGCAAGTTGA | ATGCGCTGTA | TTCCTGTCAG | CTTAATGACG | CTAAGCATAG | 30540 |
| CCCCATTCCA | CATTTCTTTT | TATTTCCACT | TGCTAACTAA | TAAATTACGG | AATAGTTTAT | 30600 |
| TGGGGAACAT | ACAAATAATG | TTTAAAGGAG | GTCAGATTTA | TAGGTCAAGG | GATTTACCCT | 30660 |
| CCCAATCATT | TTAATATTTT | TATTTAAACC | AGGCATTTTG | ATGGCCTTCT | CTGTGCTGGA | 30720 |
| CAAGGTATAA | GTTTGGCTAT | GAAGTTTCAC | TCCTAAAGAC | CCTATGTTTT | GGAAGGCAA | 30780 |

| | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|-------|
| AAAGGTAGCC | AAATAATTGC | AAATTAAAAC | CTCATAAGTG | CAAAC TTCTT | CCTCGTCACT | 30840 |
| TTCCCTATCT | CGATTCAAAT | ATTTGTTGAA | TGACTCATTT | TTCTGCAAAA | GTCTGAGAGA | 30900 |
| GACAGGGAAT | ATAAACTTAA | GTCTGGATAA | TATGTTTTCC | CGGGACGCTC | TTCCTGGTCT | 30960 |
| GCTGTGCCTG | TTTGCTGTGC | CTGAAATTCC | AAACACTCTT | CCCTTCCCTC | CGTTTTTAAT | 31020 |
| CCCCTTTCAA | CTTGCTACAG | CTTTAGAGAA | AAGAACATTC | GTTTTGTACA | GTTGGGGATT | 31080 |
| AATTGAAGTG | TAGGGCTAAT | ACTTGATTAA | GGTCATTACA | AAATCTACAG | GGTCTTCCTC | 31140 |
| TGGGAGGTTT | TTGTGATAAG | ATTATTGGTG | TTAAAATAAG | GCTAATCCCC | TTGAAAAATA | 31200 |
| AATAGAATAG | CAGAATTGGG | TCTGAATGTG | GTTTGAAGAA | AGGGACTTCT | CAATTCAAAA | 31260 |
| TTTTATTCTT | AGCTTCCTGC | GGGAGCTTTC | CAGAATGCCC | ATAAGATCCA | CTTTTGTTTA | 31320 |
| AAAAACAAAA | ACAACCCAC | CCACCACTCT | CTGGTTAATA | AATGAATTTT | TATTGGGAAT | 31380 |
| ATTTAGAATG | GGGCTGTGGC | CTGTGAGAGA | CATTATATAG | TAACCTCAGA | CTTGCTCACA | 31440 |
| TGAAGAGAAG | AAATCCAGGA | ATGGAGAAAA | AAGACCCAGG | AAAGGCCAGA | ATGCTCTACA | 31500 |
| TGTCATATTG | TTTGTATCAC | TTCTGAAATA | ATTGATTACA | TTCTTCTGCC | CCAAATTGAG | 31560 |
| TTCTTAGGTT | CTTCCACTCA | CTGTCCACAT | GCCACAACAC | AGACCTTATA | ACTAGAGACT | 31620 |
| TAGCTAGGAA | GAAATGTCAA | ACATTACAGA | GAAAAAATGC | AGAGTCTGAG | ATCATAAGTA | 31680 |
| AAACTCTGAA | ATCTCAACAT | GCCTTTTAAT | TCATGAAAAT | AAAAAATATA | GCAGCATATG | 31740 |
| CAATATGACA | ATTCTCTGAA | AACATACATC | ATGTGAACTA | CCCTGGAACA | CATCTCGCCA | 31800 |
| AGTGCCATCT | TCATTTTAAC | CAGAGGTCTA | GGATGCCTTT | CCTTTATTTT | GCCTATTATA | 31860 |
| TCATTTATAA | AACCCCATTT | TTATTTTGAT | ATTTTATTTA | CTTCTATTTT | CCTGCTCCTA | 31920 |
| ATATCTCCTT | TCTAACTTTT | TCTCAATGAC | AGTGACTCAA | AAACAATGAA | TGTCAGAACA | 31980 |
| AATATTTAAA | GGATCTGTAC | ATGTAGATAT | ATATATTTAA | AATGGATTCT | TCCACTCTGC | 32040 |
| GAAGAATTCA | GGCATACTCA | ATCTTATGGT | TAGGGAGAGA | TTAGGCTCAC | TCGCCTAATC | 32100 |
| TGTATGGCTT | CTCGTTCGCT | TTCCATTTCA | CCTTCCTCTC | ACCCATCAGA | TCAAAC TCAT | 32160 |
| TCATTGAACA | AGAGACCTAA | GCCCTTCAGA | TTAAAAC TCT | GCAAACAAGT | TGTGGTTGAG | 32220 |
| AGGATACATG | AAGCATTCAA | ACAAATAAAT | CTATGATATT | AATCAGAGGT | TAATCTATGA | 32280 |
| TATTAATCAG | AGGTTAATGC | AGTGGCTCAC | GGCTGTAATC | CCAGCACTTC | AGGAGGCTGA | 32340 |
| GTTGGGAGAA | TCGCTTGAGC | TCAGGAGTTC | AAGACCATTT | TGGGCAACAT | AGCAAGTCTT | 32400 |
| CATCTCTACT | TAAAAA AAAA | TAACCAGAGG | TGTTATGAAA | ATATAAATTG | TCCAGAACTA | 32460 |
| CCCTCCACAA | ACTAACTCTC | TCAGAATATT | CGATATGAGG | AATGAAATAT | GGTGTGTGTG | 32520 |
| TGTGTGTGTG | TGTGTGTATG | TGTGTGTGTG | TGTGTGTGTA | TGCACCTATA | TATGGCACCT | 32580 |
| ATATATTCAA | CAAACAATTC | TGATAATTGG | CCAGGGTTGA | GAATGACTAG | CAGCCCAGCA | 32640 |
| TACACTATCA | GTTTTAAGTA | TATAATTGCG | CTTTAGTAAA | ATGTAAAGAA | ATCCAGAGT | 32700 |

| | | | | | | |
|-------------|------------|------------|-------------|------------|-------------|-------|
| AGAAATACTT | TTAAGCTATA | TTACAGGTGA | GAAAATGCAT | AAGTATAGTC | TCACCCAACT | 32760 |
| TAGACTATGG | GGGCTTTATA | ATGTCACAAC | AGTTGTTTCC | AGGCATTTGG | GGACATCACC | 32820 |
| ACTGGTCTTG | GGCAAGAAAC | TCCTCTAGCC | AATGGCTGAT | TTATCTCACT | CCCATCTAAG | 32880 |
| GCTTCACTGC | ATTTCCTTTT | TTCAGCAACC | TAAC TTATTT | AAAAATATCC | ATTTTCTGAT | 32940 |
| TCATTTTTTT | CTGAATTAAA | CTGTCAGTAC | CATTGGCACA | CCTTTGGTTC | CGTAGCATAC | 33000 |
| CTGTGTCTCT | GCTGTGTTTT | TTTTTTACCT | CCACTCCTTA | CTTTTCTAGA | AAAAAATCTC | 33060 |
| TGCTTTTTCT | TTTCAGTTTA | AATTATTTCA | CAAAAAGTTT | TCTTGACTTG | CAC TTCCTAG | 33120 |
| GCTTGCTGTC | CTTGTGTGGG | CACGCTCCCA | TAAACACTAT | TAATACACTT | CGATTTGTTA | 33180 |
| AAAATAAAGA | TATCTGGACA | GAAAATTTCT | TTTCTTTTTT | TAAGATTTTA | AAATTTTTTAA | 33240 |
| TGTTTTATTTT | TTTCCTAGAC | TGGAGTACAG | TGGCACCATG | ATGGCTCATG | GTAGCCTACA | 33300 |
| CTTCCCCGGG | CTCAAGTGAT | CCTCCCACCT | CAGCCTCCCA | AGTAGCTGGG | ACTACAGGTG | 33360 |
| TGCACAACCA | CACCTGACTA | ATTTTGTTTA | TTTGTTTGTT | TTGTTTTTTG | AGATGGAGTT | 33420 |
| TCGCTCTTGT | TGCCCAGGCT | GGAGTGCAAT | GGCGGGATCT | CGGCTCACCG | CAACCTCTAC | 33480 |
| CTCCCAGGTT | CAAGCAATTC | TCCTGCCTCA | GCCTCCCGAG | TAGCTGGGAT | TACAGGCATG | 33540 |
| CATCACCACG | CCCAGCTAAT | TTTGTATTTT | TAGTAGAGAC | GGGGTTTCTC | CATGTTGAGG | 33600 |
| CTGGTCTGGA | ACTCCTGACC | TCAGGTGATC | TGCCC GCCTC | GGCCTCCCAA | AGTGCTGGGA | 33660 |
| TTACAGGCGT | GAGCCACCAC | GCTCGGCCAC | TAATTTTGTA | TATTTTGTAG | AGATGGGCTT | 33720 |
| TCCCTGTGTT | GTCCAGGCTG | GTCTTGAATT | CCTGGGCTTA | AGTGATCTGC | CCACCTTGTC | 33780 |
| CTCCCCAAAT | GCTAGGATTA | CTGGCGTGAG | CCACCAGGTC | TGGCTGGAAA | GATAATTTCT | 33840 |
| AACATTATCC | TCTCTTAAAC | ATTTGTTTCA | AAAATTTTAC | AAACATGAGA | GTAATTAAAT | 33900 |
| TTGATTTTCA | AAATTCCCTT | GAATACTTTC | TTAATAGCAC | ACAGAAAGCA | CAAAGTATTT | 33960 |
| TACATTTGTT | TTAATGATGA | AATTGTGAAC | CCAACTTAC | ACAAAGAAAA | ACCCGTAAAC | 34020 |
| TTATACCCAT | ACTTAAAACA | GATGCCCTCA | TATACATAGT | AAACTCTTG | GGGGCAGTAG | 34080 |
| TGAAGTTGGT | TATTTACTGT | TTTATGAAAG | TGCCATTGAG | CCGGGTGCAG | TGGCTCATGA | 34140 |
| CTGTAATCCC | AGCACTTTGG | GAGGTCGAGG | CAGGCTGATC | ACGAGGTCAG | GAGTTCAAGA | 34200 |
| CCAGCCTGAC | CAAAATGATG | AAACCCTGTC | TCTACTAAAA | ATACAAACAT | TAGCTGGGCG | 34260 |
| TGGTGGTGTG | TGCCTGTAGT | CCCAGCTACT | CAGGAGGCTG | GGGCAGGAGA | ATCGCTTGAA | 34320 |
| CCTGGGAGGC | GGAGATTGCA | GTGAGCCGAG | ATCGCACCAC | CGCACTCCAG | CCTGGGAGAC | 34380 |
| AGGGCGAGCT | CCGTCTCGAA | AAAAAAAAAC | AAAAAAGTGC | CGTCATAGTG | ACTCAGTTTT | 34440 |
| AAGGAATAAA | TCAAGGATAT | TTAACTCAAT | AGACTACAGT | TAGCTAACGT | GACTTGCACT | 34500 |
| GAAAGTTATA | CGAATATTGG | TACTTATTCC | CCTGCCCTTG | AAGTATGAAT | TAAAGACTCC | 34560 |
| AAAATTCTTT | TTAGAATCTT | CAGAGTAAAA | GCTAGAATTT | GATTTTTTTA | AATAATAAAA | 34620 |

| | | | | | | |
|------------|-------------|------------|------------|------------|-------------|-------|
| AAATACTTTG | TATCTAAATC | TGGTGTATAA | AATAACTTGG | TGGATGATGC | TTCAAGGCTA | 34680 |
| TCCATCCCCA | AATTTCTCCC | TGAATGATAA | AGAGAATAAA | TGAATATGTC | AATTCAAAAAG | 34740 |
| TTAGAAATTT | GGCCGGGCAC | GGTGGCTCAC | TCCTGATAAT | CCTTTCGGAC | GCTGAGGTGG | 34800 |
| GTGGATCGCA | TGAGCTCCGG | AGTTCAAGAC | CAACCTGGGC | AACATAGCCA | GAACCCGTTT | 34860 |
| CAATAAATAA | TAGAAAAAAA | TGAGCCAGGC | GTGGTGGTCC | CAGCTACTCA | GTAGGCTGAG | 34920 |
| GTGGGAGGAT | CACTTGAGCT | CAGGAGGTCT | AGACTGCAGT | GAGCCGTGAT | CGCAGTACTG | 34980 |
| CACACCAGCC | TTGGTGTCTAG | ACTGAGACCC | TGTCTCAACA | ACAACAAAAC | AAGTTAGAAA | 35040 |
| TTTGGCTGGG | CGCGGTAGCT | CACGCCTGTA | ATCCCAGCAC | TTTGGGAGGC | CAAAAAGGGC | 35100 |
| GGATCATTTG | AGGTCAGGAG | TTGAGACCA | GCCTGGCCAA | CATGGTGAAA | CTCCATCTCT | 35160 |
| ACTAAAAATA | CAAAAAAAT | TAGCCGTGCA | TGGTGGCATG | CGCCTGTAGT | CTCAGCCACT | 35220 |
| TGGGAGGCTG | AGGCAGGAAA | ATTGCTTGAA | CCCAGGAGGC | AGAGGTTGCA | GTGAGCCGAG | 35280 |
| ATCATGCCAC | TGCATTCCAG | CCTGGGTGAT | AGAGTGAGAC | TCCATCTCGA | GAAAAAATAA | 35340 |
| AAAATTCTGT | ATGAACTGAA | CAAAATATCC | TTAAATTTTA | AAATACATCT | GAAAGATATT | 35400 |
| TCAAAATATT | TAGGAAAAAA | ATTATAGGGA | TCAGGCAAAT | TCTGAGATTC | CTTTTTCCCT | 35460 |
| GCAGCAAACA | TTAGGAGTGC | TGCTGTTTCT | AAAACATGG | TAACTGTTGC | CACACCGTAT | 35520 |
| GTTTCCTTGG | CTCAGACATA | AGGTTGTGTA | GTTGTTATTC | CAGAATAGCT | AGAATAAAAA | 35580 |
| TCCAGCACAT | CATTTTCTTC | AGCAAGTTAA | CTAACCTCTC | TGTGCCTTGG | TTTCATAACA | 35640 |
| GCAACATAAG | CATAACAGAA | TAGCAGCAAT | AGCTCCTACC | TACCTCATAA | GATTCTTTGG | 35700 |
| AGGAATTAAA | TTAAGATTCA | GAACACAGCC | TAATATCTAG | TAAGTAATAA | TAATTGGCTA | 35760 |
| AAAAAATTTT | CTTAAGATTA | TATATATTCA | TGGGGTACAA | GTACAATTTT | GCTACATTAA | 35820 |
| TATATTGCAT | TGTGGTGAAA | TCAGGGCCTT | CAATCCATCC | CGGAAAAAAA | AAGTTTTTGA | 35880 |
| AAAGATTTCT | GCCATGGAAA | ACTTTTAATG | TACAAATTCA | TCCATCCAAG | AAATAGAAAA | 35940 |
| TATATAAGTA | TCAACTCCAA | ATCCACCATA | TCTATCTCTT | CTACACCTTA | AACAATTACT | 36000 |
| CAGAAATAGA | ATGCTTGAGA | TACCAGAATG | CATGCATATC | AAGTAATAAA | TGCATGCAGG | 36060 |
| ATGTCAACGC | ATCCTAGGCT | TTCAAATAAA | ATTGTCATAC | AAAATACTTT | AATATTGTAG | 36120 |
| TAACATTCTA | CATGTTAGAG | TGTAGAAGTT | AATCGCTGAT | GCAAAAAAAG | AAAAGAACAC | 36180 |
| ATTATACCCA | AAGCTACAG | AGAGAATCAC | AATTACAAAT | ATCAGCCTGC | ATGTGAAAAT | 36240 |
| CTTTAATTTG | AAAGTCAGAA | ATATTTAAAT | GATAGTCATT | GTTAAATCAG | ATTGTGGTTT | 36300 |
| GAAAAAAAGT | TAGTTTAAAA | CTGAGTTTAT | GAAAAATTTG | GGGATTTTAG | AGACAGTGTT | 36360 |
| TTGTTTTTAA | ATGTGTGTGA | GTTTGTGAAG | AATGTTTTAT | AAAATACTGA | CAGTATTATA | 36420 |
| AGATGACATT | ATTATAATAC | AACATAAGAA | TTTTGGCCTG | TACCTCTCAG | CAGTCCTCAA | 36480 |
| TCACCTGCTG | TACTTGACTC | AATGATTATC | AGAGTGGTTT | GTTTTCTCTC | TGTTGTGTTC | 36540 |

| | | | | | | |
|-------------|------------|------------|------------|-------------|-------------|-------|
| CCAGTTCAGG | CAGCTCAGCA | ATGGCCTGTG | ATTCCAGCAA | TTCAAATAGC | TGGTAAGTAG | 36600 |
| TTTCTTGTTT | GTTTTCTCAA | ATTTTCAGGG | GCTTTTCTCT | ACAAGTGATT | TCCAGTGCAC | 36660 |
| GCCCCCTCCAC | CCATTCTTTA | TTCCTTTACC | TTCAGGAAAA | CCCTCAGCGC | TGCATCTCTG | 36720 |
| GTCACCGGAC | CACCGTGGTA | CATTACCTA | TGGCCACCAG | GTGTCACCCT | TCTCTTTACT | 36780 |
| ACCATGGTTT | GTGAATGGTT | TTGCCAGAGG | TGAATAAGAA | TTTAAAATGC | AGGTCTTTGA | 36840 |
| TTTTTCAAAT | GTAGTTGACC | TTAAGAATTT | ATGAATAAAG | CCAGAAAAAT | TAAGCTTAAA | 36900 |
| AAACACCGAA | AGAAAATGAG | GACTTAAAAT | TTCTATTAAA | AAAATTAACA | GGCCACAGTT | 36960 |
| GCTGATGTTT | AGTAAATGTG | TTAGTGAAAT | GTGTTACTGT | GAAGACTGGG | GTGTTTCTTG | 37020 |
| AAATCTCAGC | CCAGGTGAAA | TAAAACCAAT | ATAAAACAAA | TGCTTACCTA | ATAAATTAAT | 37080 |
| TGTAACATAT | TCCTTATGAG | GTAGAAGAGT | AAGTGAAGCC | TTATAGCAGT | CTGCTTTCAG | 37140 |
| TATAGTAAGA | TATTAAGAGA | GAAATAATTT | GTCATATGCT | TTCAGAATGG | TTTGCTGGTA | 37200 |
| AAATAACCAA | TGTCTTACAA | CTTAGACGAC | AATGTCCCTA | GAGTGAAGAA | ACACGATTAA | 37260 |
| TTCGGCTACC | ACAGTTGAAT | GAAAATATTC | CGTAAGACAA | AATGTAAAGA | AATTAGAAGC | 37320 |
| AAAATAAATG | TCTCCAAAAT | GACAAAGCGA | TTAAGTATAT | ACACAAGATG | AACAAGAACT | 37380 |
| TCAATAAAAT | CATGCAGTAT | ACAATACAAT | ATACATTTAT | TAAAGTATAT | GCATTTTTTAA | 37440 |
| TGCAACAATA | ATACTAACAG | GTAATAGACA | AGTTGTTAAT | AGTTTTTTCAC | TGGCTAATTA | 37500 |
| AATAACAGCT | TTAATTGTAT | TCATTTTATA | GCTTTTCTAC | AATGAGCGTA | AATCACATTT | 37560 |
| ACTTTTTTCT | ACATAACTTT | TCTAACCACA | AAAAAAGAAA | ATGGTTTAAA | AGAAGAGATG | 37620 |
| AGATATCTTT | GCTAAAATTT | AATGCCTAAA | GAAGAACTT | CTGAGCTGTA | TATGGTATCC | 37680 |
| TGAAGCACCT | GCCCTTCAAG | ACAGAATGCT | TGTACCACAT | TTATGCAGCC | AAGTGCATGT | 37740 |
| AGTAACATAA | AGTAAACACA | TGCCATCTGG | ATATATATAT | TAAGACTCTT | TTGACGGCTG | 37800 |
| GGCAGGGTGG | CTCACACCTG | TAATCTCAGC | ACTTTGGGAG | GCCGAGGCAG | GCGGATCACG | 37860 |
| AGGTCAGGAG | AGTTCGAGAC | CAGCCTGGCC | AACATGGTGA | AACCCTGTCT | CTACTAAAAA | 37920 |
| TACAAAAATT | AGCCGGGCAT | GGTGGTGAC | GCCTGTAATC | CCAGCTACTT | GGGAGGCTGA | 37980 |
| GACAGGAGAA | TCGCTTGAAC | CTGGGAGGCA | GAGGTTACAG | TGAGCCGAGA | TCATGCCATT | 38040 |
| GCACTCCAGC | CTGGGCAATA | GAGTCTCAAA | AAAAAAAAAA | AGACTCTTTT | GAACATGGTG | 38100 |
| AACTGATTTT | CCAGAATCTA | GCAATTCCTG | AATGTCCTGG | TTAGATTTTT | TTTTTAATGT | 38160 |
| GCACCGGAAC | CCCAGTGGCT | CCATGGAAGG | ACCTGGGCAT | CCTCTAAGCC | ACTTGGTGGC | 38220 |
| TTCCATTATA | CCATCTCAAA | ATGAGAGAGC | TTACTCCACT | TCATTGAGGG | AAATACCACC | 38280 |
| AGAGTTCTGA | CTCCAGAGGC | ACTGGCCTAG | GGAGGACACC | GTGTGTGAAG | CCCAGCAGGG | 38340 |
| CCACTAGCTG | TCCCCACCAA | TTACAGTCCT | TGCGTAGGGT | CCAAAGAAAT | GAATGCCAAA | 38400 |
| GAGAGCAACA | GAGGAGCAAG | GGAGTCACAT | TCCAGGACCT | TCCTTCAGGG | ACTTTTAAAG | 38460 |

| | | | | | | |
|------------|-------------|------------|------------|------------|-------------|-------|
| GAAACATGAC | AGCTGAGGAT | CAGTTGGTTG | TTTTCTGCTG | TTCCCCTTCA | TGTGATTCAA | 38520 |
| GCTCACTCAG | AAGAAACACA | ATGAGACAAG | AGAAGAGCCA | TCTCCTTCCT | TCTCTATTTA | 38580 |
| TTCTAGGCAT | CTAAACTACT | GAATGTAGTG | GTGTCTGAGA | TGTATCAAAC | GGTCAGATTG | 38640 |
| ACTGAGTTTG | AAACCTGTTT | CTATCACTGA | CAAACTATGA | GATACTCTAT | ACTTCACTTT | 38700 |
| CTTTTTTTTT | TCATTTTTTT | ATTTTTATTT | TTATTTTTTT | GAGATGGAGT | CTCACTCTGT | 38760 |
| CACCTAGGCT | GGAGTGCAGT | GGCGCAAAC | CGGCTCACTG | CAAGCTCTGC | CTCCTGGGTT | 38820 |
| CATGCCATTC | TCCTGCCTCA | GCCTTCCGAG | TAGCTGGGAC | TACAGGCGTC | TGCCACCACG | 38880 |
| CCCAGCTAAT | TTTTTGTATT | TTTATTAGAG | ATGGGGTTTC | ACCATGTTAG | CCAGGATGGT | 38940 |
| CTCGATCTCC | TGACCTCGTG | ATCCACCCGC | TTTGGCCTCC | CAAAGTGCTG | GGATTACAGG | 39000 |
| CGTGAGCCAC | CGTGCCCGGC | CTACTTCACT | TTCTTCATTT | AAAAAAGAAA | TGGGGATAAT | 39060 |
| AGTACCTATC | TCATAGAATT | ATTGTAAGAA | GTGCATGCAG | TAATGCATGT | AAGTAGGTGC | 39120 |
| TCAGAAGAGT | CGGACACGAA | GTAAGTGCTT | TTATCATCCT | TATCATAATT | TTCATTATCA | 39180 |
| GAACAAGGAG | AGACCAGGTA | GAAAATTATT | GTGATTCTTC | AGGTCTGGAA | TACTAGAGTA | 39240 |
| GCATCCCAAA | TGAAGGCACC | ATTAAACTTT | GCAAATCTGT | ATGACACCTT | CATGCCAATT | 39300 |
| AGAAAAAACA | CCTCTTCACA | ACCCCTTTCA | AGATATTTGC | CTCCTACCTG | CTAAAAACAC | 39360 |
| CCATCATACT | ACCCACAGAT | AGCCATGATG | CTTTTTCTGG | GACAGGTGCC | TCTTCCATTC | 39420 |
| GTGCAGTGTA | CAGCCTTCAT | AGCTGTGCAA | CTCACATCAC | AATCAGATGG | AAGAATCCCC | 39480 |
| AAGGCTTGGT | GACAGATGAG | TTACTGGGTA | ACACAGAGAG | AGGATTCAAA | GGAAAAGTTG | 39540 |
| AACGGGTCCA | GAAAATGCAT | AGATACATGT | GTAAAAATCT | GGTAAGGTTA | TGACTAGCCA | 39600 |
| CGTCCCAGGG | TTCAAAGCTT | TTCTCAGATG | TTAAAATGAA | TCATGTAAGT | CCCCCAAATT | 39660 |
| TAAGGAGTCC | TCTTCCAAAA | ATAGGAAATG | AAATGACATA | GGTGTATGTC | TCTGAGGTGA | 39720 |
| CGGAGGAAAT | GAAGGAAGCC | TCTAGATGCA | GCTTGAGGTT | CATGAGAGAC | AGTTCCAGGG | 39780 |
| GAGAGGTCAC | AGCTAGGGAT | CACCGGCATG | CAGGAACTCA | GAAACCTAAA | TGGGGAAATC | 39840 |
| TTTTTGAGGA | AATGAACAGA | GAAGGCTAAA | ATCAAGGAGT | TCGTCAGGCA | ATTTCTATGT | 39900 |
| TTAGGTTCAA | CTCTCTCCTG | AAACATGAAG | AGCTCATAAA | TGCACTCCCT | CTTTGAGTCT | 39960 |
| CTAGTTTTGT | CTCCTTCCCA | CAGTGAGTCT | GCAGGCTGCG | TGTCCTCAC | GTTTCTAGTAA | 40020 |
| GACGTAGTGC | CCCATGGCTC | CTCCTGTGGA | GACAAGAGAC | CCAGGAAAGA | GGCATCACAA | 40080 |
| ACCTAGGCAC | CATCTTGCCCT | CTTCTCTCTT | CCTTATTTTC | CTCATTCACC | CATCTCAATT | 40140 |
| TAGACCTGGG | CACTATTGGA | TTTCAAGAAC | CATTATCTCT | CATCTGGAAA | TGCTTATTGG | 40200 |
| CTTTCTAACT | GGTCTCCTCA | CCTCTCATCT | AACTTCTTAA | CAACACATTC | ACCATATAAG | 40260 |
| GGAGATCGTG | GTCCTCCTTT | CTTAGGATCC | TTCAATGACA | CCCCAGTGAT | CATAACCCAA | 40320 |
| TATCCCAAAA | GACCCTTGGA | CTCTGTATGA | GCTGGCTTCT | TTCTGATTCT | CTTTTCCCTA | 40380 |

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|-------|
| CACCACAGAT | G TTCAGGGGG | TAGAAATGCA | TAATTGGTGA | GTGATAGCTA | CGCAAACCTCA | 40440 |
| GGGTTAAGGT | ACAGTAATTA | TTTCTAATCT | CCCAGTATGC | CTTATACTCT | CCTACTTGGC | 40500 |
| ATGGTTGCTC | CGTCTGTGTA | GACCTCCCAT | CATCTTCAAC | CTCACCTAAT | GGAATCCAGC | 40560 |
| TTCTCCTTCA | AGATCCAGAA | GGCTATCTTG | ATCCCCAGCT | GAATGTGATC | ATTCTTTCCT | 40620 |
| TTGACACCCT | AAGCATTTGC | TTCTGCCTG | CTTTAGGACC | TCATGGGGTC | TTCTTTAACT | 40680 |
| ACATTTACTT | GCTATCAATT | TCATTCCCTA | CCAGATTTGG | GTTCTGAGAA | TAGCCACAGT | 40740 |
| GACTTCTCAA | CCTCAAAGCC | CCTGTACTAC | CTTAAACAGC | TCTTGCAAAA | TAGTAGGTGC | 40800 |
| TCTGAAGATG | TTTGTGTAAT | TAGAGACTTT | CATTCTGGGG | AGAACCATTA | TTTTCTGTCT | 40860 |
| CCCAGGGAGC | TGCTGGTGTC | CCCAAAGAAT | ATAAATGAGA | AAAATGCTTC | CCATGGATGC | 40920 |
| CAGATCCCCT | CTGCCCCCTCT | TCCCCTGTG | CCCTGGGGCA | GAGGTACTAA | GAGACTTCCC | 40980 |
| CCTTGTTCCCT | ACTCACTTGA | ACCCTGCCTC | TTCCTTAATA | TTATGAACAA | AATTCCAATG | 41040 |
| AACAAGATGA | CGACAAAAAC | AGCAATTCCA | CTGATGACTC | CAATGACTAG | GGTGCCAGAC | 41100 |
| GGTGAGGGCT | CTAAAACAGA | AAAAGCAAGT | TAAAGCCTTT | GATTGCCACC | CTCAGCCCAC | 41160 |
| CCCCTAACAA | AGAGCAGATC | CTCATCTCAC | TGCCATAATT | ACCTCCTCAG | GCACCTCTCT | 41220 |
| CAACCCCCAA | TAGATTTTCT | CAGCTCCTGG | CTCTCATCAG | TCACATACCC | CAGATCACAA | 41280 |
| TGAGGGGCTG | ATCCAGGCCT | GGGTGCTCCA | CCTGGCACGT | ATATCTCTGC | TCTTCCCCAG | 41340 |
| GGGGTACAGC | CAAGGTTATC | CAGCCCTGGT | AGGTCCCATC | CCCATTGGGC | AATACGTCTT | 41400 |
| TAGGTTCGAA | CTCCTTGGCA | TCCATTGGCT | GCTTATCCTT | CAGCCACTTC | ATGGTGATGT | 41460 |
| TCTGGGGGTA | G TAGTTCAAG | GCCCCGACACC | G TAGAGTGGT | CACTGAAGAG | GTCACATGAT | 41520 |
| GTGTCACCTT | CACCAAAGGA | GGCACTTGAC | AGGAAAGAGG | AAGGATGAGG | AGAGGGGATC | 41580 |
| TGTTTACCCT | TGCCAGGAAG | ACTGGAACCT | TCACCTCCTT | CTATAGGTTG | GAGGAAGGAA | 41640 |
| ATACCCTTTT | CAGAAAAAAA | CAAGCTACAG | GAGAGACACC | ATTTTGTGTC | CTAAGATTGG | 41700 |
| ACTCTAACAC | AGTGTCACTT | GGAGAGCAGT | CAGATCAGCT | TGTTCTCCTC | ACATGTAAAT | 41760 |
| ATACATATCT | GTTACCCATG | TTCTTTGTTT | TGATAGATAA | AATTGCCCTT | TATGTGCATT | 41820 |
| GAAAATGATT | GAATACAGAT | GGTCAGTTTC | ACCTGGGTCA | ACCTAGGAGG | CATTGTTATA | 41880 |
| AGAAGCGGAC | TTGTAAGATA | GGTAGCTTCA | GTGATTATTG | CTATGTTCTA | TGAAAGAAAC | 41940 |
| TTTTAACCTA | AAGGATTCTT | CTACTCTGAT | AAGTGGCCTC | ACTTGATATT | TTGTCCTGGT | 42000 |
| ATTCATATGA | TAGCTGAGAT | CTCTGAATTC | TCTTTTTTTT | TTTTTTTTTT | TTTTTAAGAT | 42060 |
| GGAGTCTCAC | TCTGCTGCCT | AGGCTGGAGT | GCAGTGGCGC | GATCTTGGCT | CAGTGCAACT | 42120 |
| TCCGCTTCCC | AGGTTCAAGC | GATGCTCCTG | CCTCAGCCTT | CCAATTAGCT | GGGACTACAG | 42180 |
| GTGCGCATGA | CTGTGACCAG | CTAATTTTTG | TATTTTTTTT | GAGACGGGTT | TCACCATGTT | 42240 |
| GGTCAGGCTG | GTCTCAAAC | CCTGACCTTG | TGACCACCCG | CCTCGGCCTC | CCAAAGTGCT | 42300 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-------|
| GGGATTACAG | GGGTGAGCCA | CCGTGCCCCG | CCTTGACATT | TCTGAATTTT | TAACAGGTAT | 42360 |
| AAATATACAA | AAGATTATTG | GTAAATAAAA | AAGCAAGGGC | CATAGACACT | TCCCTTTGAG | 42420 |
| CCATATGCAT | GGAGAAAAGA | AATTAAACCC | ATGACTTGTG | GCTGTCTCAT | ACATCTCAAT | 42480 |
| TATAAGGTAG | AGACTCTAGG | ATTGAGAAAG | TCCCTTCCCA | GAATTTGGAG | AGGCACACAG | 42540 |
| CCTCAGCCAC | CTCTGAAACT | CCAACCAGGG | ATTCCGTGCC | CTGCAACCTC | CTCCACTCTG | 42600 |
| CCACTAGAGT | ATAGGGGCAG | AAGTGTGTTT | CCACCATACC | TTGTTGGTCC | AAAACACCTC | 42660 |
| TCCCCAGCTC | CAGCAACTGC | TGCAGCTGTG | CAGGGCAGTC | CCTCTCCAGG | TAGGCCCTGT | 42720 |
| TCTGCCTGGC | CCGAATCTTG | TGCCTTTCCC | ACTCCAGCTT | GGTGGGCCAG | GCCCTGGGTT | 42780 |
| CTGCTGCTCT | CCAATCCAGT | GTGTCAGGGC | AGAATTCAAG | GTGGTCCTGC | CCATCATACC | 42840 |
| CGTACTTCCA | GTAGCCCTCG | GTACTGTTGT | CTTCTTGCAT | TTCACAGCCC | AGGATGACCT | 42900 |
| GCAGGGTGTG | GGACTCTGGA | AAAATCCCCA | GCCTTGTTAA | CTGCAACCAA | AGGAATAGGT | 42960 |
| CCCTATTTCC | ACCATCCCCA | AGGACCAAAT | GATCTCAGGA | AGCAAATTCC | TTCCCTCTTC | 43020 |
| CCTGCTCCCA | CAAGACCTCA | GACTTCCAGC | TGTTTCCTTC | AAGATGCATG | AAAAGATGAA | 43080 |
| AAGCTCTGAC | AACCTCAGGA | AGGTGAGGCC | CCCTCTCCAC | ATACCCTTGC | TGTGGTTGTG | 43140 |
| ATTTTCCATA | ATAGTCCAGA | AGTCAACAGT | GAACATGTGA | TCCCACCCTT | TCAGACTCTG | 43200 |
| ACTCAGCTGC | AGCCACATCT | GGCTTGAAAT | TCTACTGGAA | ACCCATGGAG | TTCGGGGCTC | 43260 |
| CACACGGCGA | CTCTCATGAT | CATAGAACAC | GAACAGCTGG | TCATCCACGT | AGCCCAAAGC | 43320 |
| TTCAAACAAG | GAAAGACCAA | GGTCCTGCTC | TGAGGCACCC | ATGAAGAGGT | AGTGCAGAGA | 43380 |
| GTGTGAACCT | GGAGACAGAG | CAACAGGCCT | TAACCATGTG | TAGTAGGAGG | GGAGCAGGAT | 43440 |
| GTTGAGGCTC | CACACACCTG | CATCAACTCA | TACCATCAGC | TGTGTCTGGT | CCTCATTTTG | 43500 |
| TGAAGGGTGA | GTTGCAGTCC | TGTCTTTCTT | CCATATGACA | GTCCTGGGTG | CTCTTTTCCTT | 43560 |
| GTGTGCTTTT | CTCTGCCACA | CGTGGCTGCC | ACCCCTCTAC | TGCCCCCAGA | TCCTATTCCA | 43620 |
| ATACTCATGA | TTAGACAGAC | TCCACTAAAG | CTGGTGGATT | CTAGAAAATG | TTAAGGTGTG | 43680 |
| TCTAGCCATG | GTAGTTGAAC | TCAGGAGTTG | GTGCTCAGGG | CAAATTAGAC | CCAAATCCTG | 43740 |
| AGGAATAATT | CCTTCAGTTT | TTTTTTTTTT | TTTTTTTTTT | TTTTTTGAGA | CAGAGTCTCA | 43800 |
| CTCTATCACC | CAGGCTGGAG | TGCAGTGGCA | CAATCTCAGC | TCACTGCAAC | CTGCACCTCC | 43860 |
| TGGGTTCAAG | GGATTCTCCT | ACCTAAGCCT | CCTGAAAACC | TGGGACTATA | GGCGTGCGCC | 43920 |
| ACCACACCAG | GCTAATTTTT | GTATTTTTAG | TAGACATGGG | GTTTCACCAT | GTTGGCCAAG | 43980 |
| CTTGCTCAA | ACTCCTGACC | TCAAATGATC | TACCTGCCTC | AGCCACCAA | GTGCTGGGAT | 44040 |
| TACAGAAGTG | AGCCACCGTG | CCCAGCCTTG | GTCCTGAATT | CTTACACTGA | ACTGCCTATG | 44100 |
| TGGCCTCACC | ACTTGGAAGC | CTGACTGGAA | TCTCAAACCT | AACATGTCCA | AATGCAGATC | 44160 |
| CTTGATTTAC | CCCAAACCTG | TCTTTCCTCT | GCCTTCACCA | TCTCAGAAAT | GGCATTGCCA | 44220 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|-------|
| ATTACCCAC | TGCTCAGGCC | AATAAAATTA | AAATAAAGAA | CAAAGTCAAC | TTTAACTCTT | 44280 |
| CTCTTTTTCA | GGGGGTCAGG | GGAGACAGGG | TCTTGCTCTG | TCACCTAGGC | TGAAGTACAG | 44340 |
| TGGCACAGTC | ATGGCTCACT | GCAGCCTCAA | CTTCCTGGGC | TCAAGCAATA | CCCTCCACCT | 44400 |
| CAGCCTCCCC | AGTAGCTAGG | ATCACAGGTG | CATGCCACCA | CACCCAGCTA | ATTTTTGTAT | 44460 |
| TTTTTGTTAGA | GAAGGGGTTT | TGCTGTGTTG | CCCAGGCTGG | TCTTGAACTC | CTGAGCTCAG | 44520 |
| GAATCTGCTC | TCCTTGGCCT | CCTCCTTGGC | ATGAGCTACT | ACACCCAGCC | AATTCTTCTC | 44580 |
| TTTCTCTCAC | ACAACATAGA | ATCCTTCAGC | AACTTCCTTC | AGAATATATT | CAGGAGACAA | 44640 |
| TGGTTTGTCA | CTCCCTTTTC | TGTTCCCACC | CAGCCCCTC | CACTACCTCT | TGCCTGGACT | 44700 |
| GTGTAACAGC | TTCCTGGCTG | GGCTCCCTGC | TTTTACTGTT | GCTCCCTTCA | TTCTGCTTTC | 44760 |
| CACATAGCAG | CCAGAGCAAT | CTTTTAAAAG | CCTGTGACAG | ATCACTGTTA | CTCCTTGGCT | 44820 |
| AGAATTCACA | CCACAGCCTA | CAGGCGCCTG | CACAACCTTG | TTTGTGGCTC | CTCTTCTGAG | 44880 |
| CCCATTACCT | ACTTCTTGGC | CTCTACTCCC | CAGCACTACT | TGTTTATTTT | TTTCAACCCG | 44940 |
| AGCTTCTTAA | CCAGGAGTTT | GTCTACTAGG | TGACATGTGG | CAAAGTTTAG | AGACATTTTT | 45000 |
| GGTTGTCAAG | ACTGGGGGAG | TGCTCCTAGC | ACCTAGTGAG | TAGGGAGGAC | AGGATACTGC | 45060 |
| TAGACATCCT | ACATGCAGAT | GGTAGTCCCC | CTTCCCACCC | CCACGCCGCC | CCCCCCCCC | 45120 |
| ACACACACAC | ACATGAGTAG | TGCTGAGAAA | ACCCGCTTTT | TAATCCAAC | TGCCAGGCCC | 45180 |
| ACTCAGTTTG | CCTGGGAAAT | ACTGCTCCCA | GTCAATATCA | TTCTTATTT | CTTCATGTCT | 45240 |
| CTGCTCAAGT | GTCAGCCCCA | GAGTGACTTG | CCCTGACTTC | TCTGCTTCTC | ACAACACCCA | 45300 |
| TGATTTCTG | ATGTTGTATA | TCTTTCTGCT | CATTTGCTTA | TTGTCATCTC | TCCCCTAGTA | 45360 |
| ATGCAAAATA | TCAAAGGGTA | AAGACTTGTT | TCCCTGCTCT | CTCCCTTGGG | GCTTGAACAG | 45420 |
| TGCAACACAT | GGCTGGGACT | CATTTACACT | TGTAAACAAT | GAATATTTCT | GCTCAACATG | 45480 |
| AAATTTTATT | ATTCAACCTC | TAATGCAGTG | TGATGTTTAA | GAATCATAGC | TATGAAGTGG | 45540 |
| AGACATGAGC | TCTGCCACCA | AAGCCCAGTG | TACCATTGAA | TAAATTTGCC | AGGAAGCAGG | 45600 |
| CCGTGCCATG | CCTCATCTCT | GTCTGTGTA | AAATGTGGAT | ACACGTAGTA | CCAAAACCTCA | 45660 |
| AAGTGCTGTG | CTGAGGCCGG | CGTGTGACCC | ACAGAACACT | GTGCTACACT | ACAGGGCAAA | 45720 |
| ATCACTGTCA | ACTAAGATTA | GAAGCAGCTG | TAGTACTTGA | AATAACATCA | GAAAACCAGA | 45780 |
| TTATTTATGT | TCTTTGTAAC | CTGAAAAGAG | TTATATAATC | TGAATTCCAG | TTAACTTCTA | 45840 |
| GTAAAATAAA | CGTATTATTA | GCTCCTACCT | CCCTATGCCT | AGTGAAAATC | AAATAAGATC | 45900 |
| AGATATGAAT | GTAACCTAGA | AGTGAGTGCA | TTGCTTACAT | GTTCATTATC | AGTACTTTGT | 45960 |
| AGAGAGGCCT | CTTAATTACA | CAGCACATTG | CAAATCAATA | AAGCCTAGCC | GAAAAGAGAA | 46020 |
| TTGTTCAAGT | CAAACGTTCA | AAACTAACAT | ATACTTAATT | TTCCAGGCAA | AAGAACAATT | 46080 |
| GCCAAGAGTG | GGGAAAGGCC | CGAGGTAGGC | CTCTCTCAGG | AGCCTCCCAC | CCTAGAGACC | 46140 |

| | | | | | | |
|-------------|--------------|------------|------------|-------------|------------|-------|
| TCCACCCAG | GTCTCACCAA | AAGTGGGTGG | AATGGTGAAG | AATTCAGATC | CCCAACGCCA | 46200 |
| CTCTTTTCGCG | CCCCACCGC | CCAACGCATT | CGTTCTGAGG | TGGAAACCCC | GTGCGGATCC | 46260 |
| TGCTGTGGGT | TTGCTCAGCC | TTCTCGGCAA | GCACTCAGGG | AAGAACTTCC | TGTTTGAGGA | 46320 |
| TGACTGGGGA | AAAAACTGCA | CAGCTGACAT | TGGAAATAAA | CCCGAGTTCC | AGGTTCAAGG | 46380 |
| AGCCCCAGGC | TTAGCTCAGC | TCAAGTGAGG | AACTACGAGA | TTTATTTAAA | AGCATTCTAG | 46440 |
| TTGGGGGAAG | GGAGTGGGCG | GTTCCAAAAG | TCACTCCGCA | GAGCCGGGAC | AGCCGGGGGA | 46500 |
| GGGGGCAGGT | CCTGGGGCGA | GGGACCCCTA | TCTGCAGTTC | AGTGGTAGGC | ACTCCCTCAC | 46560 |
| GGGGTCTGGA | CGCAGAAAGT | AGGGAGAGGG | GCTTGCGGAT | AGGGTTGAGC | AGGTCCTCCA | 46620 |
| AAGTTAGCAA | ACTCCCAAGC | GCAAAGAAAA | AGCTAGTTTC | GATTTTTTCCA | CCCCGCCGCG | 46680 |
| GCCCCTAGTT | CGCCCGCAGC | CCTCGGACTC | ACGCAGCAAG | CGCCCCCTGCA | GGACCGCGGT | 46740 |
| CTGCAAAAGC | ATCAGGAGGA | GAAGCGCCGG | CCTGGCTCGC | GGGCCCATTT | CCCCAGCTCT | 46800 |
| GGCCGCACGT | CCCCGTAAAA | TCTCCGCTTC | TTTTGGGGGG | CGGGGAAACG | GGGATGGCTC | 46860 |
| CAGAAGTCAC | CCTACAGCTA | TTGCCTAGGC | TCAGGAGATG | CCCAGTAAAA | CTTCCTGGTG | 46920 |
| AAAAGCAACA | GGTCTTTTCTAG | AACTTTAGTT | CTCTCTCTCC | TACAGCAGAA | GGTACCTGCT | 46980 |
| TGTGAAACAC | TAGGTGATCC | AGTGTCCCCC | TTGGTTTTTA | AATCCTGAAG | GGGTGTTGTT | 47040 |
| GATTGGGGAA | AGTAGCTTCG | CAATGTTCTG | ATCTGAACTT | TAGATATTTA | AATATTTATG | 47100 |
| ATTTTCAAAA | TTCAATCATA | CATTTAAAAA | TTTTATCTCA | ACCTTAGACC | AACTTATGTC | 47160 |
| TTATTTGACT | TAGAAATATA | AAGCTTTTTT | ATTTTGTTTT | TTGATTCAAA | TTAATTAAGT | 47220 |
| CATAACATTA | ACCAATTAGA | TCCTACTGAA | ACACCTTCCA | CAGCCTTCAT | AATTGAATTA | 47280 |
| TCTGACAAGT | GTTTCACAAA | CTTTACAGTA | TTGGGATTAT | CTGGAGAATG | ATTAAACATA | 47340 |
| TTGAGGCCTG | CTCCTAACCC | CAGACACACT | GATTTAATGG | GTAATTGTTA | GGTAGTTAGA | 47400 |
| CATTAGCAGT | TGGGAGGGGA | TGACAGAAGA | GAGCGGAAAG | GCTGTCACTA | AGACAGCCAC | 47460 |
| TGCCCCACCT | AAATTCAGGC | CCAAGACTAC | CCTAATGCCA | CCCTAAGGGA | TGGAGTTTAT | 47520 |
| GATAAAGTCT | GTGGCCAAAA | TATCCTGGAG | AAAGAGAAAG | GAGGGTACAG | GTGGAAATTC | 47580 |
| CCTAAGGTGG | CACATGCCCA | ACAACACAAA | AGCCTGTCTT | CAAGTTCACC | CCAAGTTCAT | 47640 |
| CATGCCATCA | TTATAATAGA | ATTTACATAC | AGTTTTGCCC | CCCCATCCCT | GGGAGGCTTT | 47700 |
| TCTTAACAAA | TTATAGGTAA | GACCATGCAC | AGTTTAATTT | TAGATTGTAT | AGCTATACAC | 47760 |
| TTCAATCAAA | TAACATCATC | CTGTCACTCA | GATACAGCCC | AAACCTCAAC | TCCTCCCCAC | 47820 |
| AAACCCCATTA | AAAGCACCTT | GAGCTCTGTA | AAGAAGTGCT | GAGTTCACTT | CGCAGAAATA | 47880 |
| AGCCCCTGT | CCCTCAGAGT | GTATTATTGT | GCTTCAATAA | ACTTTGCTTT | AAGCTTGCAT | 47940 |
| TTTGGTGTTA | GTTTGTAGTT | CTTTGCTCAC | TATCACAAGA | ACTGAGATTG | CTGGTTCAGA | 48000 |
| GCTCCGGCTA | TAATAATCTC | CTCGGTTAAA | GGATCCATCC | CAATGCATAA | TTCCCAGTAA | 48060 |

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|-------|
| CAGTATGGGA | TGCCACCTGG | GCAATGGGAT | TTTAAAAGCT | TTCCTTCTCC | CTCAACGAAG | 48120 |
| TTTGGGAATT | ATTGCCTTAG | ACATTTCAAA | CAATATTAAT | AAATTTAATA | CACCTGATTT | 48180 |
| GCTCCAAACC | TTTACATATC | TAGCAAATTC | AACAGGCATT | ATTTTTGTAA | GCATGTATGC | 48240 |
| AAATTTTGGC | AATTCAAGAA | AATCAAACAG | GATATCAGGG | CCTCGACTGT | AGGCAAACAG | 48300 |
| ATACAATAAC | ATTGGAAACA | TGTAGAATAT | TGATGATGGG | CACATTGGGG | CTGATAGTAC | 48360 |
| TATTCCTTTT | TTTCAATTTT | TGGTAAGATA | TAATTAGCAT | ACCATATAAT | TCATCTATGT | 48420 |
| AAAATGCAAA | AATTGGCCCG | GCTCAGTGGC | TCACGCTTGT | AATCCCAGCA | CTTTGGGCGG | 48480 |
| CCGAGGAAGG | CAGATCACCT | GAGATCAGGG | GTTTCGAGACC | AGCCTGGCCA | ACATGGTGAA | 48540 |
| ACCCCGTCTT | TACTAAAAAT | ACAAAAATTA | GCCGGGCGTG | ATAGCAGGCA | ACTGTAATCC | 48600 |
| CAGCTACATT | AGAGGCTGAG | GCAGGAGAAT | CGCTTGAACC | CGGGAGGCGT | AGGTTGCAGT | 48660 |
| GAGCTAAGAT | CGTGCCATCA | CACTCCAGCA | TGGGAGACAA | GAGCAAGACT | TCATCTCAAA | 48720 |
| AAAAAAAAAAT | TAGCTGGGTG | TGGTGGCATG | CACCTGTAAT | TCCAGCTACT | CGGGAAGCTG | 48780 |
| AGACAGGAGA | ATCGCTTGAA | CCTGGGAGGC | GGAGGTTGTG | GTGAGCCGAG | ATCATGCCAT | 48840 |
| TGCACTCCAG | CCTGGGCAAC | AAGAGCGAAA | CTCCGTCTCA | AAAATAAAAT | AAATAAAATA | 48900 |
| AAATGCAAAA | ATTAATGGAT | TTTAGTATAT | TTACAGAGAT | GTGCAACCAT | TACCAAATTT | 48960 |
| TTACATTTCT | ATCTCCCCAA | AAAGAAACCA | TGTTCCCCTA | ATTCAGTACC | CTTAATTCAT | 49020 |
| CGCCTCCCAG | ATTCTCCCAT | TCTCCTCCTC | CTCCCCTCCC | AGCCCTAGAC | AATCTTTAAT | 49080 |
| CTACTTTCTT | TCTATTTGGA | ACATTTAGTA | TACATAGAGG | CATATAATAT | ATTGCTTTGC | 49140 |
| CGTGACTGGC | TTCTTTCATT | TAGCATAATG | TTTTTATGTA | TGTTTTTCAT | GGACCAATAA | 49200 |
| TATCTATTAT | AAGGACATAC | CACAACATAT | TTTATTTATT | CATTCATCAG | CCGATGGACA | 49260 |
| TTGGTTTGTT | TCTACTTTAT | GGCTATTGGG | AATAGTGCTG | TTATAAACAT | TTATGTACAA | 49320 |
| GTTTTTTTGT | AGACTTATGT | TTTGATTTCT | TTTGGTTATA | TATCTAGAAG | TGGGTTTGCT | 49380 |
| GGGTCATATG | GTAACACTGT | TTAACCTTTT | GAGGAATTGC | CACATTCTTT | TCCAAAGTAA | 49440 |
| GCATTTTATC | CTCCTATCAG | CAGTGTATGA | GAGTTCCTGAT | TTCTCTCCAT | CTTTGCCTGG | 49500 |
| GTTTTTTGAAT | CAGGGCCCCA | GATAGAACAA | AAATGTGGTT | ATTCAGTTGT | TCCACCATCA | 49560 |
| CTTGTTGAGA | AGACTCTTTT | TTCATTGAAG | TGTTTTGGCA | CCCTTATCAA | AAATCAATCT | 49620 |
| ACCATAAATG | TGAGAGTTTA | TTTCTGGAGT | CTCAATTTTA | TCCCATTATG | CTATAATCTA | 49680 |
| TAATCCTATC | TTTTTTTTTT | TTTGACAGAG | CCTCACTCTA | TTGCCCAGGT | TGGAGTGCAG | 49740 |
| TGGCCCAATC | CCGGCCACTG | GCTCCTCCTC | CCAGGTTCAA | GCAATTCCTC | TGCCTCAGCC | 49800 |
| TCCCAAGCAG | CTGGGATTAC | AGGTACCTGC | CACCATGCCT | GGTTAATTTT | TGTATTTTTA | 49860 |
| GTAGAGACGG | GGTTTCACCA | TGTTGGTCAG | GCTGGTCTGG | AACTCCTGAC | CTCAGGTGAT | 49920 |
| CTGCCCACCT | CAGCCTCCCA | AAGTGCTGGG | ATTACAGGCA | TGAGCCACCA | CACCCAGACT | 49980 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| ATAATCCTAT | CTTTATGTCA | GGACTACACT | GTCTTGATTA | CTATAGCTTT | TTAGTAAATT | 50040 |
| GAATTCAGA | AGTTTCTCAA | CTTCAAATTT | GATCTTTTTT | TGGAAGACTA | TATTAGCTAT | 50100 |
| TCTCAGTCTG | CTGAATTTCC | CTAGGAATTT | TAGGATCTAT | TATCAATGTC | TATTCTATTT | 50160 |
| TTGTATATGT | TTTAATATTT | TCATAAGAAA | CTTTTTTCAT | TTAAACTTTT | TTTTTTAAGA | 50220 |
| AAAATAGTGA | AAATCAGAAC | ACTGGGGGTC | AGGCGCATTT | AACAGGCAGA | AGAAGAATAA | 50280 |
| AAACTTGTCA | TATAAACAAA | AAAGAAATGA | CCAATCACAT | TGTGGAAGCC | ATGGAGTGGT | 50340 |
| TATAGGTGCC | AAAGGCTGCA | GAGAAATGGT | GTCAGATATA | CCTGAAAATT | GTCCATTGTA | 50400 |
| TTTGGCCATT | AAGAGACTTA | GAAGACTTAA | GCCATAGATT | GCTCAGTGAG | ACCCCAGGGG | 50460 |
| CAAATGGTCT | GAAGGTGAAT | AGATCATTTT | ACCTTTAAGA | GAGCAGGTAG | GAAGCTATAA | 50520 |
| ATCCAAGATT | AAAAAGTTGA | CTGAACTGTT | AAGGAAGAAA | CTCTAATCTT | GAGCCACCCT | 50580 |
| ATCCTGGCTC | CACCTTCTGC | TGCAAGCAAA | CAGAAATGCT | GAAATTCAAC | ACTCACAAAG | 50640 |
| GCTGGTAAGC | TGGAAATGAC | AAAAATTACT | CCTGGGAAAG | TCAGATTTAG | AATTAGGCCA | 50700 |
| TATTTGTTGG | GGTTCAGATT | TTCATGTACA | CTTGGGAAAG | GGTTTAGCTT | ATAGGCACAT | 50760 |
| GCATGAAGGG | AACTGGTATA | GGGCTGTGTT | CATAAGGTCA | AGAGTTGAAG | GCCAGGCATG | 50820 |
| GAGGCTCTTG | CCTGTAATCC | CAGCACTTTG | GGAGGCCGAG | GCAGGAGGAT | GGCTTGAGCC | 50880 |
| CAGGAATTCA | AGACCAGCCT | GGGAAACATA | GGGAGATGCT | GTCTTCACAA | AACAATTAAA | 50940 |
| AAATAAAATT | AGTCAGGTGT | GGTGGCACAC | ACTTGTGGTC | CCAGCCACTC | AGGAGGTTGG | 51000 |
| GAAGATCACT | TAAGCCTGGG | ACATTGAGGC | TGTAGTCAGC | CATGATAGTG | CTACTGCACA | 51060 |
| CCAGTCTAGG | TGACAGAATG | AGACCCTGTC | TCCAAAAAAA | GAGCTGTATC | CACATCCCAG | 51120 |
| GAAAGTGGTT | GAAGATCTAC | TTTTCTCTGT | AAACCTAATA | AAGAATAGAG | TGACAAATGT | 51180 |
| GTGTTGTGGA | AAGAAATGGG | GTGAGAGCTA | CGTAGATGCA | AAACAATACA | TCCCCACATA | 51240 |
| CCACTTGTTA | ATCATCCTTT | TCCACCCACT | TATGGGATGA | ATTGCATCTC | CCCAAAGAT | 51300 |
| ACTCTGTCCT | AACCCTCAGT | AGCTGTGAAC | CTGACCTTAT | CTGGAATACG | GTGAGTTCAC | 51360 |
| TGGTTAAGAA | GAGATTATAG | TGGAATAGGG | TGAGTCCTCC | AACCAATGAC | TGGGGTCCTC | 51420 |
| ACAGACACAG | AGGGATGATG | GCCAGGTAGA | GATGGAGGCA | GAGATTGGAG | TTATGCTGCC | 51480 |
| ACAAACCAAA | CACAGGAAGC | TGCTAGAAGT | GGAAACAGGC | AAGAAAGAAT | CCTTCCCCAG | 51540 |
| AGGCTACAGA | GGGATCTTGG | CCCTGATAAT | ACCTTGATCT | CAACTGGCCT | ACGTAAGTGT | 51600 |
| GAGAGAATAA | ATTTCTTTTG | TTCTAAGCCA | CCCAGTTGAT | AGTACTTTGT | TACGGCAGCC | 51660 |
| CTAAGGAACT | TGATATACAT | TTCTTTTACT | GTCATAGAAG | TTTTGAATCT | TTTAAGTAGG | 51720 |
| TCTGTACCCT | TCCTCCCAGT | GTCAACACAT | GGAATTCCTC | TCCTTGCGCC | TTGAAAAGTG | 51780 |
| AAAGGTGTTT | GAACTGGTAA | TGAAAGAAAT | CTCAGCATGA | GGCCAGATGC | TGTACCTCAC | 51840 |
| ACCTGTAATC | TCAGCACTTC | GGGAGGATGA | GGCGGGCAGA | TCACTTGAGG | TCAGGAGTTC | 51900 |

| | | | | | | |
|-------------|-------------|------------|------------|------------|-------------|-------|
| TAGACTACTC | TGGCCAACAT | GGTGAAACCC | CATCTCTACT | AAAAACAAAA | AATGTTATCC | 51960 |
| TAGCCGGGCA | TGGTGCCTGT | AGTCCCAGCT | ACTCAGGAGG | CTGAGGCAGG | AGAATTGCTT | 52020 |
| GAACCCGGGA | GGTGGAGGTT | GCAGTGAAC | GAGATCACGC | CACTGCACTC | TAGCCTTGGT | 52080 |
| GAGAGAGCAA | GACTTGGTCT | TAAAAAAGAG | AAAAGAAAAA | TGAAATTTCA | GCATTATAGA | 52140 |
| ATAAAAATGT | TTCCCTTCC | CCCCAACTT | TAAAAAAGCA | GAAGTCTGCA | TCATAAAATG | 52200 |
| GTCTTTGCCA | ATGTTATTTT | TATTATAACA | AAGGAATCTT | GCAAGGCTAC | CAGATCTCAG | 52260 |
| CAATTGTCAC | TATGTTCTGT | AAAAATCACT | TCCTAAAATG | TCTGAATTGA | CTGCTTGTCT | 52320 |
| CATTTATTTG | TTTCTCGTGT | CATACTGCAA | TGGATATCTG | TCTTGTTAGT | ATAAATATTT | 52380 |
| GTGCATTTTG | TTGTTGTTAA | AACAGCTTTT | TTGGCCTGTC | TTCTTCCACC | TATGAGGTAA | 52440 |
| TATAAACTC | ATGTTTAAAC | CTTATTTTTG | TAGCAGGACA | AGCTACAGAC | AAAACCCCTC | 52500 |
| AGACACTGAG | TTAAAGAAGG | AAGGGCTTTA | TTCAGCTGGG | AGCTTTGGCA | AGACTCACAT | 52560 |
| CTCCAAAAAC | CGAGCTCCCT | GAGTGAGCAA | TTCTGTCCC | TTTTAAGGGC | TTGCAACTCT | 52620 |
| AAGGGGGTCT | GTGTGAGAGG | GTCATGATCG | ACTGAGCAAG | TGGGGGTATG | TGACTGGCAG | 52680 |
| CTGCATGCAC | CAGTAATCAG | AACAGAACAG | GGATTTTCAC | AGTGTTTTTC | CACACAATGT | 52740 |
| CTGGAATCTA | TAGATAACAT | AACCGGTTAG | GTCGGGGGTC | AATCTTTAAC | CAGACCCAGG | 52800 |
| GTGCAACACC | AGGCTGTCTG | CCTGTGGATT | TCATTTCTGC | CTTTTAGCTT | TTACTTTTTTC | 52860 |
| TTTCTTTGGA | GGCAGAAATT | GGGCATAAGA | CAATATGAGG | GGTGGTCGCC | TCACTTATTC | 52920 |
| ACCCCTTTTG | AGAATCTCAC | TCATTAGTGG | GAGTTCTCAC | TTTTATTCTC | ACTACCTATG | 52980 |
| TCTTCTTGAA | AGACAGATTG | ATAATGATTC | ATATAGTACA | CTTGTGCTGA | AGCATTTTGG | 53040 |
| TGAGCTAAGG | TAGTGATGAA | GCTTTTTATC | ATTTGGAGAA | GTACAGGTAG | CAAACAAGGA | 53100 |
| AGCAGTAAGC | AGGTTTCTAT | TAATATTATA | ACTCCTATTA | TAAGAGTTTT | AAATCTTCTT | 53160 |
| AGCACTCGGA | ACCATTTTTTC | AAACATGGCC | CCAGAAACAA | ATCCATACCA | CACCTACATG | 53220 |
| GGCACATGTG | CCACTTTTGT | CATATTTCTA | ACTATGTCTT | CACTACTTG | CCCTTAATCA | 53280 |
| TCTATGTGTA | GACAGCAATT | AGTAAGGTTA | AATTTCTTAC | AGACCCCTCC | TTCAGTTGCT | 53340 |
| AGCAAGTAGT | CGAGAGCCAA | TCCATTTTGA | TAGATAGCAT | TTTGCATCTG | AGTTTCTTGC | 53400 |
| CAGGCCACAG | TAGTCAGGGC | TCTGCTGGTC | TTATTAGTAA | TTATTTCTAA | GACAGCTTGT | 53460 |
| AACCGTATGA | TTCAGTTGAG | CATGTAAATG | GGGGTCCCAT | ATCCCCACAA | GCCGTCTTGT | 53520 |
| GCCCAAGTAG | CAGGCCCAT | ATATTGTATG | ATTCTCTCAG | GGGGCCATTC | ATTATTTTTTC | 53580 |
| CAATTTTCTA | TAGCTATGCT | TTTTTTTTTT | TTTTTTTTTT | TTTTTTTTTT | TTTTTTGCGG | 53640 |
| GAAGCATATA | CAGGGAAGCC | CAGGAGTTTG | CCTGTCTTTA | TGGGCAGTAG | GAAGAAAGAT | 53700 |
| GGTTTAGTAG | TGTCAATAAC | ACAACACTCT | GCCCACTGGT | CAGGTAATTT | GGCATAAGCT | 53760 |
| GTATGCCCCAC | ATATCCAGTA | TAATCCAGTG | GGGGCTGTCC | AGTCCCGGTG | GGACTCTGGG | 53820 |

| | | | | | | |
|-------------|------------|------------|-------------|-------------|------------|-------|
| TGGGTCCACA | CAGTTTGCAA | CTTTGGGAAT | TTACTAAATA | GATTTTTCTT | AGTGTGGTTT | 53880 |
| GAAGTCCACT | AGGTGGCTGT | TTTTATAGTA | CTATTATACA | GTTTTTGCCC | AAGGCAGCTG | 53940 |
| AGTCTTCCCA | CAGGAAGGGT | GAAGTCCTTC | CCCACTTTTG | CTATACAGTA | TTGTCTAATG | 54000 |
| ATTGAGGCTT | TTAGGACCCA | GAAGTTATCA | GGGTGAGTCT | TTTGAGCTGG | GAATTTATCA | 54060 |
| GGAAGTGGGT | CTGTAGGTAC | TAATTCTCGT | GCTTCCCATG | GCCATTGATC | TCCCATTACA | 54120 |
| GTTCTCCAC | ATACATACAT | AACATGAAGT | GACATTGAGA | GACTGGGCTA | CATGCTCAGC | 54180 |
| TAATTGCAA | AACAAATTC | TTGTTTTTCC | TGGAATTTCT | AGTACTGGCA | CATTCACTTC | 54240 |
| ATCATAAGAA | GGTTTGAAAT | ACTGGCTCAG | GGGAGCATTT | ATAAACTTCT | CCTCAAACCA | 54300 |
| CCATATTTAC | TCAAGGATCC | AGTCCAGCCC | CAACTATTTT | TAAGGTTACA | CGATCCCCTT | 54360 |
| TTTTCCAGTG | AGAATCAAGG | GGGTGGTTA | TTACTAGTTC | TAAGGGGTTA | CACTGACCAC | 54420 |
| TGGTACAGGA | AGGGCCACTT | TTCCCTTTCT | GAAGGTGGAC | AGGATTCTTT | TTATTTTTTA | 54480 |
| ACCAAGTTGC | CTAAATGACA | CAAGACCAGT | ATCTACATTT | ATTTCCACGC | AGTCTTAATT | 54540 |
| CATGACAAGC | GTACTTATTT | TCTGCCATAT | AGCCTCTTTC | CTAATGAACA | GAACCACATC | 54600 |
| CTATTTCTAA | CTTATTACTA | TTAATGACAG | CACAGGCATC | AAATTTCAAG | GTGACTTGTT | 54660 |
| TGGGCATTCC | TTTTTCTTCT | GTTTTGGCTA | ACACTTTACT | CGTATCGTTT | ATGAACCCCC | 54720 |
| ACCAGTCCTC | AGTCCTCAAT | CTTATTTCAA | AACTGTGGT | CGTGGGAGGC | TCAGATGGGT | 54780 |
| CATAACACAC | ATCAGGTTGG | TCATTTCTTG | GGCTACCTAC | CTTGTATAGA | ATAGCATTAT | 54840 |
| ACAAACAAGT | TATTTTTAGA | GTCTTTGTAC | ACTTATAATA | ACCATAAAAT | AATAAGACTG | 54900 |
| TAGCAACTTT | TTGTCCTACC | TCAGTGACTT | GATGTATACA | CTGGGAACAG | CCCTCAGTCT | 54960 |
| GAGGAAGGTT | AGTTGAAGTC | TTTACTGTGC | AAGTCCAAAT | TTTAAGGAAA | ATGAGTCCCT | 55020 |
| TGATGAGTTT | TCTCATGTTT | CGGCCATGCA | TGGACCAGTC | AGCTTCCGGG | TGTGACTGGA | 55080 |
| GCAGGGCTTG | TTGTCTTCTT | CAGTCACTTT | GCAAGGCGTTG | GCGAAGCTGC | CACGTACAGC | 55140 |
| TCACAGTCTA | CTGATGTTCA | AGGATGGTCT | TGGAAGTTGG | GCCCACTAGA | ATTAAGTGA | 55200 |
| TCCAATACCT | CTACTCAGTC | ACTTTCAACT | GGGCTTTCTG | ATACCAGGAG | CAAGGTGGCA | 55260 |
| GGTTTTAGGG | TGTTGCAAAT | TTCAATGGTT | ATGCAGGGAT | TTTACATAG | CAAACTTTGG | 55320 |
| TACTTGTTTA | ATCTAGCATT | TGTTAGCCAA | TGATGTATTT | ATTAAAGTCA | CCACAGCATG | 55380 |
| GAGGGCCTTT | AAGTTTAGGT | TTTGTCCAAG | AGTTAGCTTA | TCTGCCCTCTT | GTGCTAGCAG | 55440 |
| GGCTGTTGCT | GCCAAGGCTC | TTAAGCATGG | AGGCCAACCC | TTAGAACTC | CATCTAGTTG | 55500 |
| TTTGAGAGGCC | CAGCCTCGGC | CAGGGCCCCA | CAGTCTGGGT | CAAACTCCA | ACCGCCATTT | 55560 |
| TTTCTCTTTC | TGACACATAG | AGTGTAAGG | GTTTTGTCAG | GTCAGGTAGC | CCCAGGGCTG | 55620 |
| GGGCCGACAT | GAGTTTTTCT | TTTAACTCAT | GAAAACTCA | TTGCTGTTGG | TTGTAATAGA | 55680 |
| TGTAGTTTAT | CCAATCTACA | TTTTTATTAA | CTGTCACCCA | CCAAAATATT | GACTCAAATC | 55740 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-------|
| CTGCAGCTAT | TTGATTTTGG | GATTTAAATT | GATCTGCTAT | TCCCTGTGGG | ACTCCAATTG | 55800 |
| CATCTAAATA | GATGTGAGAG | TTGAAAGACA | CATAAGGGTC | TTCTCTTGCT | TTACGATGTC | 55860 |
| TTATTTTTC | TCCCTCTGGT | TGATGAAATG | CTAGGGTGAA | AGGGATAGCC | AATTGGACTA | 55920 |
| AAGTACAAGT | GCCGCTCCAG | TTATTTGGCA | GAGTGCCCAG | TAAAGGTCCA | CCACAATACC | 55980 |
| ACCACACATC | CGCTTGGGGA | TGAACAAAGG | CTGACTGATT | GAGAAGCTCC | TGAAAATTCT | 56040 |
| TAAGCTCACT | GCATCCCTTC | AGGTCTCCAA | GGAATGCTAA | GTTTCCTCCC | TGTCATGAGA | 56100 |
| GACAAGAAGT | GAACCTAGTT | TTGGGAGATG | GAAGCTGGAT | GGCCCTCAGG | GGTTGACCTG | 56160 |
| CAGGGTGCTG | GACTTTGGGA | TATAGCAGAG | AGAGCTTGGC | ACGACTTATT | ACTCCAGGCT | 56220 |
| GTAGAATCCT | GGAAAACAGT | TACCATGCAG | CCCATGCCTG | GTCAACAGGA | GGACCACCTT | 56280 |
| AGTGGAAAGG | GGATAATCTG | GCCCTCTGGC | CTGCCATGTG | CACAAGCATA | ACAATTGGTT | 56340 |
| TTGTTTAATG | TGTGGACAGA | ATATTTGATC | CATTCCAAC | GGGCATTTGC | ATCTTGGTAT | 56400 |
| CCTGCTTAAT | TATCAAAGTT | TGTTTTAAGT | CTTTAACTTC | TATGACCCTC | TAGTAAAATG | 56460 |
| AATGTATGAT | TTTAGGAAAT | TACAAAAACC | GGTTGGGGCA | GTCCATCCTT | GCTCTTTAGT | 56520 |
| GGTCCACACA | ACATTCGACC | AACTATGGCA | TAAAAGCTCT | ACATCGGGGG | GCAAGACTCC | 56580 |
| TCGTTGACAC | TGGGGTCTTT | ATTGAAATCT | CTCTGGAATA | AATGGTCTCA | GTTTACTAAG | 56640 |
| GCTCAGTCTG | AGGAGAGTCA | GGAGGGACAG | AGGTACTTTT | CTGAAGTACA | GAGATGTCTT | 56700 |
| CGACTTGGA | AGTCCCCACA | GGGTATAACA | AGGCAAGCAT | TAAATTCAAT | AGTTTGAGGC | 56760 |
| AAAATTGACT | TGGTTATGTT | AATAACTAGA | TGGTCAGAAA | TAGAGTGAGG | GAAGAAGAAA | 56820 |
| GAGTAATAGA | ATAGATGAAG | GAGTTAAATT | TTTCTTAGCT | TTAGTTTGGT | AGGGTTTTCC | 56880 |
| CCTGGGACTA | TGGCCCATGA | CTCTGGAGGG | GGTGGCACTT | TCTTGACTCG | GGTGTGATGA | 56940 |
| GTCCATCCCT | TTTTCACCGT | ATGAACAACA | GTCTCGGTGG | TTAGCAGCAC | AAGGTAGGGT | 57000 |
| CCTTCCTAGG | CTGGCTCAAG | TTTTCTTTCT | TTCTACCCTT | TGATGAGAAC | ATGATCTTCA | 57060 |
| GGCTGGTGCT | GGTTTACAGA | AAATTCTAGG | GGTGGTACAT | GTGCTAAAAG | ACTTTTAGTT | 57120 |
| TTGAGGGAAA | GGAAAGTGGA | AGATAAACCA | AGTATATAAC | TTTTAAGAAG | TTGACCTTTT | 57180 |
| GTTTTAAATG | TGGGGACATC | AGCAGTGGAC | TTTATAGTCC | TTGGTGCCTT | CTTACTGAGA | 57240 |
| AATTTCTTTT | AGCACCTATT | TTTATTAGTT | TTTAGACCAA | AGAAAGTCAA | ATGCCATTTT | 57300 |
| ATATTTGACA | ACGCTTCTTG | TATGTTTATA | CCAGATAAGC | TAGATTTTAC | CTTTATATTG | 57360 |
| GTGTGTTATT | AATGTTAAAC | TTAGTTTTAA | TAAAACTCTG | TAGACATATT | TATTTGATTT | 57420 |
| TTAATGTCTG | ACCATAAGGT | AAGATTTTTA | TAGACTTTTC | TTTAACCTTT | TATAATTTTT | 57480 |
| GTTAAAGAAC | AGGTTAGTGC | TTTAAGAAAA | ACCCGTTGTG | TTTTTATTTT | AATGTTTCAGT | 57540 |
| TCACAGAAAA | ACTGTATGAT | ACCCCTTAAC | TTTAGCCAAT | ATGTTTAGAC | ACAGAATTTT | 57600 |
| CTTTACAATT | AAGGTTTCAA | AACTTGCTTA | AACCTTCAAA | ACAATTTTTG | TAACCTTTTA | 57660 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-------|
| ATGTAGGTAA | AAATCCACAT | TCTTATGCAT | CCTCATAATC | CTTTTACCAA | AGGTATATTT | 57720 |
| TACTTTCCTT | ACATACCTTG | CACATAAACT | GTTTATTCAA | TAGTTTACAA | TTTAGAAGGA | 57780 |
| GGCCTAATTA | CTTTTAAATT | ATACAACATT | TCTTACATAA | ATTTATTTTT | CTAACACACA | 57840 |
| TTTTTTTCAT | GACTTTCACA | GACAATTCTT | CGACATGCCT | CAACTTCTTG | ACTTATTGCA | 57900 |
| AACATCCCTT | TCTTTAAACA | ACTAGTTAAT | TTATCTCAGG | ACAAGGATTT | TCCATACAAC | 57960 |
| ATTCTTTTTT | ATATAAATTC | TGCCTCCTCT | TTATTTCTCT | TTTTTTTTTT | CCGAGGATGA | 58020 |
| TAACCATCTT | TTTCCAAAGC | GAACCTCTTT | TATGTCTGTG | GACTAGACTG | TCTAAGGCCA | 58080 |
| CAAGATTAGA | AGTTACTATA | ATACATGTTA | CACTGTTAAC | TTTTAGCAAA | CTTTACTTTT | 58140 |
| GTTGAAAACC | TTGTAAGTTT | GGGATTTCAA | TTATCCTTTG | CTATTAATAA | GACCTTATTT | 58200 |
| AGTCCAAATT | AACTTAGAAT | TGGTATAGAT | GGCTTTTTTT | TTTTTTTAAT | TACCTGGGAG | 58260 |
| GAACCATCTA | TCCTCCTGTC | CTGAAGGGAG | TTCCTCCTAG | GTCTGGTCAG | AGCTTTGTAT | 58320 |
| GGTAATTAAG | ATTTAGATCC | CCTGTTAGGA | AACCTGCCGG | GTTAAGAGAA | TTTTCAGTGG | 58380 |
| TTAATGTTAA | ATCATCTTCT | TTTTTCTTTT | TTCCTTAGGA | TACTTCTGAA | CCGGTGAGGT | 58440 |
| GTGCTCACAA | TGAGGTTTCC | TGTAAAAGTT | ATTTTTTTAC | TTTCTTCTGT | TAGCAAAGCA | 58500 |
| GTTGCCGCTA | CAGATTGAAT | GCATTTGGGC | CATCCGCGGG | TTACTGGGTT | AAGGATTTTT | 58560 |
| GATAGGAAGG | CCTTAATGCT | TTTGGAATAT | GCCCTGACAA | CAAAGTGCCA | GTTCCCTCCC | 58620 |
| GGTGTTTCAGC | CACTGCGTTG | ATCCTCCACG | AGGGCCTGCC | ACGTGCTGCT | CTGGTGAGGC | 58680 |
| GTTCCACCGG | GGCAATTGCC | TACCTGGGAG | CGCTCTCCAG | ATCTGTGTCT | CTCAAAGTGG | 58740 |
| CTGGAGTTCC | CCGTAGGGAT | GCTCCACAGG | GCAGGCCTAA | GTCGCCTAAG | GGGCTGCCTT | 58800 |
| GACCGTCCGT | TAATCACCTC | TGTCTCCAAA | AACCAGCTCC | CTGAGTGAGC | AATTCCTGTC | 58860 |
| CCTTTTAAGG | GCTTACAAC | CTAAGGGGGT | CTGCATGAGA | GGGTCGTGAT | TGATTGAGCA | 58920 |
| AGCAGCGGGT | ACGTGACTGG | GGCTGCATGC | ATCAGTAATC | AGAACAGAAC | AGAACAGCAC | 58980 |
| AGGGATTTTC | ACAATGCTTT | TCCATACAAT | GTCTGGAATC | TATAGATAAC | ATAACCTGTT | 59040 |
| AGGTCAAAGG | TCGATCTTTA | ACCAGACCCA | GGGTGCGGTG | CCGGGCTGTT | TGCCTGTGGA | 59100 |
| TTTCATTCTT | CCCTTTTAAT | TTTTACTTTT | TCTTTCTTTG | GAGGCAGAAA | TTGGGCATAA | 59160 |
| GACAATATGA | GGGGTGGTCT | CCTCCCTTAA | TTTAAACAAA | ATTTTCAAAG | TCCTACCCCA | 59220 |
| AGTAAATTGG | CAAATATTAA | TAAAGTTATG | GCATAGAAAA | TAAAAATGAT | TGTAAAAGGC | 59280 |
| GTAAAGATAT | TTCTGTGGGG | AAAACATTTG | TTCATTAGTT | ATCAGTTAAA | ATTCTGTGAA | 59340 |
| AAATAACCAC | TAGAGACCTT | AAAGTACCCA | GGGGCTAATA | ATAAGAAGGG | AGGAACACCC | 59400 |
| TCTCACTCCC | CACCGTTACC | TGCCCAGAAG | GGAAGAGGAA | GAGGGTGACT | CCAGGAGAGC | 59460 |
| TGTGGTCTCC | CCTCCCCATA | TGTCCACATA | TACCTGACCT | CCCCTCCCCA | AAATATATAC | 59520 |
| CCAATATCTC | TCCCATATAT | ACATATTTAT | CTGACCTCTC | CACATATGTA | TACCTAAACT | 59580 |

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|-------|
| TTCTCTATAT | ATCCACATAT | ACCTAACCCCT | CTCACACACA | TATAGCTGAC | CTCCAGTGGA | 59640 |
| GGAAAATGGG | GAAGAGAGAA | GAAGTTATCA | AAGGATAAAT | CTAGGTCATA | CTCAGAAATG | 59700 |
| TGAAAAACAA | AAACCACACA | CAGAAAAAAA | AAACACACAC | AAAAAAGAAA | TTGATAAATT | 59760 |
| TGTTTGTGTC | AAAATTAAGA | ATTCCGGTTC | AATGAAGGAT | CCCATGGATA | AAGTTAAGAC | 59820 |
| ACTGCTGTAA | GGATGGTAGA | GAATTAAATG | TCTGAATCAG | ACGAAAGGAT | GAGTAATTAG | 59880 |
| AATGCACAAG | GCCAAGAAGA | ACAAAACAGA | AACTCCACAT | AAAAAATGTA | TGAGGCCGGG | 59940 |
| CGCGGTGGCT | CATGCCAGTA | ATCCCAGCGC | TTTGGGAGGC | CAGGGCGGGC | CGATCAGGAG | 60000 |
| TTTGAGACCA | GGCTGGCCAA | CATTGTGAAA | CCCCATCTCT | ACAAAAAATA | CAAAAAATTA | 60060 |
| GCCGGGCGTG | GTGGTGGGTG | CCTATAATCC | CAGCTACTTG | GGAGGCTGAG | GCAGGAGAAT | 60120 |
| CACTTAAACT | CAGGAGGCAG | AGGTTGCAGT | GAGCTGAGAT | CACACCATTG | CACTCCAGCC | 60180 |
| TGGGTGACAG | TGTGAGACTC | TGTCTCAAAA | AAAAAAAAAA | TTATATATAT | ATATATATAT | 60240 |
| ATATATATAT | ATATATATAT | ATATGAAATA | AATGAACAAG | AAATTTAGAT | ACAGGAAAAT | 60300 |
| CCAAAGCACT | TGGTAATGAA | AGAAAGGTAA | AGTGATGTGT | CCTTTTGCAT | TTAAAAGAGA | 60360 |
| GCATTAACAA | ATTAGAGAGC | TGAATAATGC | TCAGTATTGG | TGTGGATATG | GAGACTCAGG | 60420 |
| AATCCTCATA | CACTGCTGAT | GGGAGTGCCC | ACTCCCTGGG | AATATTTTCC | AAATATCATC | 60480 |
| TCAAACATAT | CCCATAAAGG | TGACAGGAAA | GTGTGGGCTG | ACTGATATCC | TTCACTGAGA | 60540 |
| GAGGTGGAGG | TAAAATGAAG | TCACTGCACA | ATATAGAGTT | GGAAGCAATG | GATTAGATGT | 60600 |
| CCACATAGTT | ACGTGGAAGA | ATCCGTAAGA | TACACACACA | CACACACACA | CACACACACC | 60660 |
| TTTGTGTATA | TTGTTCTTGG | CAGGTAGGCA | TGGAGGTTTA | GAGGCTTTCT | ACATCACACC | 60720 |
| TACTGCACAC | AGTAAATGGC | CAGGCTGAGC | ACTGACTTCC | ATGAAGGGAG | ATTGAAGGTA | 60780 |
| AGAGATTGAA | GATTGTTCCC | TGGTCTGGGA | CCCTGCAACT | GAATATGCAG | AAAAAAGTAC | 60840 |
| ACCCCGCCAC | CCCGCTTCCC | ATCTTTTCTA | CCTGATTAGA | ATAGCTTTTT | CAGAAAACGT | 60900 |
| TGGCCAGGGG | TTGTGGCTCA | CACCTGTAAT | CCCAGCACTT | TGGGAGGCTG | AGGCGGGCAG | 60960 |
| ATCATCTGAG | GTCAGAAAGT | CCAGACCAGC | CTGGCCAACA | TGGCGAAACC | CCATCTCTAC | 61020 |
| TAAAAATATA | AAAAATTAGC | AGGGCATGGT | GGCACACACC | TGTCATCCCA | GCTACTCGGG | 61080 |
| AGCCTGAGGC | AGGAGACTCA | CTTGAAGCAC | AGTGATGGAG | GTTGAAGTTA | GCTGAGATCT | 61140 |
| TGCCACTGCA | CTCCAGCCTG | GGCAACAGAG | TGACACTTTG | TCTCAACAAC | AACAACAAAA | 61200 |
| CCCACCAAAA | CTTTAAATCT | ACCTATGGCC | AAATGCCTGC | TAAAATGAGC | ACCCAAGAAG | 61260 |
| CAGTGTTTCA | GAAAGTCAGA | TGAATACCCT | AAAATTAGAT | GCAATGTTGG | CTGGTCACAG | 61320 |
| TGGCTCAGGC | CCTGTAATCC | CAATCCTTCT | TGGGAGGCCG | AGGCGACAGA | TCGCTTAAGC | 61380 |
| TCAGGAGATC | GAGACCAGTC | TGGACAACAT | GGTGAGACCG | TGTCTCTACA | AAAACGTACA | 61440 |
| AAAATGAGCT | GGGAGTGGTG | GCGCGCACCT | GTAGTCCCAG | CTACTCAGGA | AGCTGAGGTG | 61500 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|-------|
| GGAGGATCTC | TTGAACCCAG | AAGGCGGAGA | CTGCAGTGAG | CAGAGATCAT | GCCACTACAC | 61560 |
| CCCAGCCTGG | ATGATAGAGC | CAGACCCCCA | TCTCCAGAAA | AAAAAAATAA | AGAGAGAGAG | 61620 |
| AGATGCAATA | TTTAGGGTTC | AACAAGACTG | AATTTCTGAC | TCCTTTCCCT | ACCTCTCCAG | 61680 |
| CATGTTAGAT | TCTGGGTCCT | TCATCCTAAC | CCCCTGTTCA | TGCCATAGCC | ACCCTGTGGT | 61740 |
| ACCAACTTTG | GAAGCCTGGA | TCTTCATCCC | CTCATGATAA | TGAGTGTCCC | ATCAGGTCTC | 61800 |
| CATGCTCAGC | TTGGCAAGAG | TATCTGTCTT | CTCCTCATGG | GACGGTCACA | TTCACCCAGC | 61860 |
| ACTGACAGGT | TCCATTCCCA | CTAGGGTGGC | ACCCTATATG | GTCTGAGTCC | AGGCCTTCCT | 61920 |
| GGTCCCTCAG | TAATCTCAGC | ATGGTAGCAC | AATCGAAAAG | GGCTAGGCAC | GGCAGCACCA | 61980 |
| TTTCCCACCA | AGAGGTCTGA | TGGCTCATCA | CATAGACTGA | AGGAGATTCT | GAAGAGCAGA | 62040 |
| GGTGGAATGA | AGAATGAATC | GTGGGCTCTG | CTCTTCCTAG | GCCTGTCTTC | CTCTCTCCCG | 62100 |
| AGATGTTAGC | TAATCATGA | GAGCCAGAAA | CCAACTGCAG | GCTGGCCTCA | GGCACTTAGG | 62160 |
| TAGTGCTTCA | GCCTCAGCAG | TCCACATTCT | AGGAACCCTC | ATAATATGGG | TTGAAGTATG | 62220 |
| CATTCCCACA | AAAATAAAGT | TGTTGAAGTC | CTAACCACCA | GTAAGTAAAT | GGGAAAAGTT | 62280 |
| CCCTTGTCCT | GCTCGCATGG | CATGTGATAG | GAGTGTGGCT | AATTTCTTCA | GTGCCTGGCT | 62340 |
| GCTCAAACCT | CTAGGGGAAC | ATTAAGACGG | GCAGGTTGTG | GGTCTCCAAC | CCCATGACCC | 62400 |
| CACCACAGTG | TCTAGGGTTG | AATGTTTACA | GCTCCTGAAG | CCACAGTGGG | TGTGTGTTAC | 62460 |
| AGGGTGCTCT | TTTAGTTTTG | CCATTTATAG | GCAGCTGGTG | TTAACCAACT | CAATTAGACC | 62520 |
| GTCTACCTTG | TCCCAAGGAC | AGAAGAAGGC | TTTCTGTATC | CCAGGTTCTT | GCCTTGGTGT | 62580 |
| ACCGGAATAA | ATCAGACCAC | ACCTGGGCTT | AGAGAAAGAG | TGCAAGGTTT | TATTAAGTGG | 62640 |
| AGGTAGCTCT | CAGCAGTTGG | GCAAAGCCAA | AAGTGGATGG | AGTGGGAAAG | TTTTCCCTTG | 62700 |
| GAGTCAGCCA | CTCAGTGGCC | CAGGCTCTCC | TCCAACCACC | CCAGTCAAAT | TCCGCCTCAT | 62760 |
| TTTGCCAGGC | AAACGTTTGT | TGTGTGCTCT | TCTGCCAGTG | TGCTCCCCTG | GACGTCCAGC | 62820 |
| TATTCGTGTC | TTGTGGCAGG | CCAGGGGAGG | TCTTGGGAAA | TGCAACATTT | GGGCAGGAAA | 62880 |
| ACAAAAATGC | CTGTCCCTCAC | CGTGGTCCCT | GGGCACAGGC | CTGGGGGTGG | AGCCCTAGCC | 62940 |
| GGGGACCACG | CCCTTCCCTT | CCCCACTTCC | ATATCATTTA | AAGGGACCAT | GCCCTTCCCT | 63000 |
| TCCCAGCACT | TTCCCCCTCC | TGTATCAGGA | CCTGTGAATG | TGGCCTTATT | TGGAAATAGG | 63060 |
| GTCTTTGCAC | TTCATCAGTT | AAGATAAGAG | TGGGCTCTAA | CCCAACATAA | AGGGTGTCTT | 63120 |
| TATAAAAAGG | AGAAATGTCA | TACACAGAGA | CTGACACCTA | TAGAGAGAAA | ATGTGGTGAG | 63180 |
| TAGACACAGG | GAGAATCACC | ATTCAAGTCA | AGCAATGAGT | CTGGGGATAC | CAGAAGCTGG | 63240 |
| GAGAGAAACC | TGGAACAGAT | TATCCCTCAT | TGCCTTCAGA | AGGAATCAAA | CCTGATGATA | 63300 |
| CTTTGATTTT | AGACTTCCAG | CTTCCAGGAC | TGTGTGACGA | TAAATATCTG | TTGTTAAGCC | 63360 |
| AACGAGTTTG | AGGTACTTTG | TTACTGCAGC | CCCAGAAAAC | TAATACAGTA | GGTACTATGG | 63420 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| ACTGAATTGA | CTCCCCGTCG | CAAAATTCAT | ATGTTGAAAC | CCTAACCCCC | AGTGTGATGG | 63480 |
| TACTTGAGAG | TGGGGCGTTT | GGGAAGTCAT | TATATTTAGA | CAAACTCATC | AGGATGTGTC | 63540 |
| TCTCATGATG | AAATTCATGC | CCTTATTAAA | AGAGACAACA | GGCCAGGTGC | AGTGGCTCAT | 63600 |
| GCCTGTAATC | CCAGCACTTT | GGGAGGCTGA | GGTGGATGGA | TCACCTGAGG | TTGGGAGTTT | 63660 |
| GAGACCAGCC | TGGCCAACAT | GGTAAAACCC | CATGTCTACT | AAAAATACAA | AAATTGGCCA | 63720 |
| GGTGTGGTGG | TGCACGCTTG | TACTCCCAGC | TACCTGGGAG | GCTGAGGCAG | GAGAATCCCT | 63780 |
| TGAAACCAGG | AGGTGGAAGT | TGCAGTGAGA | TCACACCACT | GTACTCTAGC | CTGGGTGATA | 63840 |
| GAGACTCCAT | CTCAAAAAA | AAAAAAAAAA | AGACAATAGA | GCCAGGTGCT | GCAGCTGATG | 63900 |
| CCTGTAATTC | CAACACTATG | AGAGGCTGAA | GCAGGAGGCT | CGCTTTAGCC | CAGGAGTTCA | 63960 |
| AGACCAGCTT | GGACAAAATA | GTGAGACCCC | CAACTTCTAA | AAATTTAAAA | AATGAACTGG | 64020 |
| GTGTGGTGGT | ACACATCTGA | GGCTCCAGCT | ACTCTGGAGG | CTGAGGTGGG | AGGATTGCTT | 64080 |
| GAGCCCAGGA | GGAGGCTGCA | GTGAGCCATT | GCTGTCCAGC | CTGGGCTACA | CGAGAACCTG | 64140 |
| TCTCGGGAAA | AGGAGAAAAC | AGTGAGACCT | CTTTTTCTCT | CCTCCTTCTC | TCCACTGCCT | 64200 |
| AAGCCCTACA | AGCACAAAAA | GGACACCACA | TGAGCACATA | GTGAGAATGC | TGCTGCCACC | 64260 |
| AACAAGTCAG | GAAGAGAGCG | TTACCTAGA | AACTGAATTG | GCCAGCACCT | GGATCTTGGA | 64320 |
| CTTCTGAGCT | TCCAGAACTG | TGAGAAAGTT | ATTTTTTTTT | TAGCGACTAA | GTCTATAGTA | 64380 |
| TTTTATTACA | GCAGCTCAAG | GTAAGTAACA | TAGTAGAAGG | GATGAATTAT | GGAGATCACA | 64440 |
| AGTCCACGCC | TCCAGAAAAA | GACTTCCCTA | AAAATTAGTC | TGAGCAAAAT | TCGAATGATG | 64500 |
| AATTATTTTT | AAGAACTTTT | AAGGGATCTG | ACAAGTTTGC | AAGAGCTAGA | GAATGCTTTA | 64560 |
| CAACGTGATA | ATAGAATGCT | CTGTGATGAC | AGAAATCTTT | CCACACTGTT | CAAAACTAGC | 64620 |
| TACTGGCCAC | TTGTGACTAT | TGTGCACTTG | AAATGTGACT | GGTGTCTGAG | GAGCAGAATG | 64680 |
| TTTAATTTTA | CTTAATTTTA | ATTCATTACA | ATAGCTACAT | GTAGCTAGGG | GCTACTGGAT | 64740 |
| TGAACAGCAC | AGCTCGAGTC | TTTTAGAGGG | AGACAGGACT | CACCAAGATG | GATGCTGGTG | 64800 |
| GCCAAGCAGC | AATGGCAGGT | AGTACACACA | CAAGAGGCAG | ATGATACAAC | ACATCCTTCC | 64860 |
| CAAACCTGGA | GATAAGCTCA | CCCCACAATC | CCGCCGCTGA | AATAGAGTTG | ATGTTACCAA | 64920 |
| TGTGCATTTT | TATGTCCTTT | TCCATACAGA | AAGATCATTC | AGCAAGTACT | ATGGTACTTA | 64980 |
| AAAAACAACA | TTCAATTCAT | TATTATGACA | AAATTAAATT | AATAGCTCTT | CCTTAACTTT | 65040 |
| TTAAATTCAA | TTTACAATGC | TTACTATTGG | CATTTATTAA | TCTACCAATT | TTTTCCCAT | 65100 |
| GAACCCATAG | AACAAATAAT | CTACCAAATT | TTTAACATTC | ATTTTTGGCA | AGGCTTTTGC | 65160 |
| AATTTGACGA | ACTTTAAGAA | GAAAACCTAT | AAATTGCAAT | TTTTAAATCT | GACATACTGG | 65220 |
| ACTTTTAAAG | TATCCAATTG | ACTAATGAAC | AAAACGCTC | CAAATTTTTC | AATTCTTAAA | 65280 |
| AATCTTAAGA | CAATACTTAA | TATGGCAAAT | CTTAACCTCT | TAACTTTTGT | AAGAATGCTA | 65340 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| ATCAACTTAG | ATTGGTATAA | AGTTGAGTTA | AAAATCACAG | GATACATCAT | CTCAGCTATA | 65400 |
| AGTTTTCATG | AGTTGAGTTT | TTACAATCAC | TTGAAATGCT | TAGAATAGGA | AATACGTATA | 65460 |
| AATTATTTAA | CATAAAATAT | TGTTACAAAA | CCTCTGGAGT | GTCAGTTTCT | CTGGCCAGAC | 65520 |
| TTTATGCTGC | AGCACCTTTG | CCTGAGTTCT | TGTCCTGCAT | CCAGGAAGAA | TTAGGTACAG | 65580 |
| AGGCAAGAGT | CAAGAAGATT | AGTTTTCCAA | TAGTTCAGCT | CACCTAGTTA | ACTCCTGTTC | 65640 |
| ACAATCTTCA | AAGTTATCAG | AAACCTGCAA | TTGAGGGTTA | TAATCCATTG | TTTGCAGAGT | 65700 |
| TTCAAAACAA | GACAACATTT | GTCTATGAAT | GTTAAATGT | CCTAGGGTAG | TCACAGTCAA | 65760 |
| AAACACAATT | GACAAAGAAA | TTTAGTCACC | TCTGTGATTT | ACAATAGCCT | AACACAATAA | 65820 |
| CTCTAATTAT | AACTGATGAC | ACAAACTCAG | ATATCAGAAC | TCTAGAAATC | CCCTATAATT | 65880 |
| TTGGAACACA | CATTACAGT | TTTCACTGAA | ATATGACCTG | AAGATCAAAT | ATCACCTTAT | 65940 |
| TTCAACAATC | CTATATAACT | AAACGTGTCA | AATGATCCTG | TTTACCTCTC | CTTTGGATAC | 66000 |
| TCCAGGGGCC | CTCTGTAGCA | TCCAAAAGTT | AGGGGTTAGC | AAAGACAATT | TTGAAGCTGT | 66060 |
| AAAGGCTCAA | AACACTTAAT | GAACCTCTAG | TCATATCTGT | TCTCTACTCA | CTAAATGCTA | 66120 |
| GTAGCACCTC | TCAGTTGTGG | CTAAGCTGGG | AGGATCTCTT | GAGCCTAGAA | GTTTGGGGAC | 66180 |
| GCAGTGAGCT | ATGATTATGC | CACTGCACTC | CAGCCTGGGC | AACAATGCAA | AATCCTGTCT | 66240 |
| CAAAAACAAA | AACAAAAAAC | AAATTGCCTA | TGCTGTGGTT | ATCTCACAAT | TAATAAAAAG | 66300 |
| GAAAAAATAA | GTATGCAGTC | TTTGTAGGTC | CTTGGGGTTT | GTTGGAATC | AGAAAACAAT | 66360 |
| ACCCCAAAAT | AAAGACCGCA | GAAGCCAAAG | TTTTTCTCTG | ATCTTCTCCT | GCCCTCCTGT | 66420 |
| CTCTGAGTCC | CATTCTCCCC | GGAGTCTAGC | CATAGAAATG | AGAATTCCTC | TTCCTCAAGT | 66480 |
| TAGGTCATAG | AAATCAAAAC | ACCTTTTCCC | CAGAGCCCAG | CCATAAAACC | TAAAAATATT | 66540 |
| ACTCTAACTT | TCCCTCTGTT | TTTCTGTGTA | AAAACGGGCC | ATAAAGAAAT | TATCTGAATC | 66600 |
| ACCTTATTTG | ATCATAGATC | ACCAGACCGC | ATTCTCAGAG | GGATCCAGAA | GGAAGGAATG | 66660 |
| CTGCACAGAG | AGGCGAAGAA | GAATCTAGAC | AGACAGGCCT | TGCTGGGTTT | CCCTACTCTG | 66720 |
| TTTATTAGCA | ATCCTATTTT | TACACGGCGG | CCCATACTTT | GTTGAATCTA | AAAAATAAAA | 66780 |
| ATGGACAATT | TCCCCTGTAC | ATGTTAATAC | ACATTAATAA | ATTGGATATA | AATTGGATAA | 66840 |
| TTTATTAATA | TACACATTAA | TAAATTGGAT | GCAGCCGGGT | GCAATGGCTC | ACGCCTGTAA | 66900 |
| TCCCAGCACT | TTGGGAGCTG | AGGCGGGCAG | ACCACGAGGT | CAAGACCACC | CTAGCCGAAA | 66960 |
| TGGTGAAACC | CCGTCTCTAT | TAAAAATACA | AAAGTTAGCT | GGGCGTGGTG | GCACATGCCT | 67020 |
| GTAGTCCCAG | CTACTGGGGA | GGCTGAGGCA | GGAGAATTGC | TTGAACTCGG | GAGGCGGAGG | 67080 |
| TTGCAGTGAG | CCGAGATTGC | GCCACTGCAC | TCCAGCCTGG | TGACAGAGTG | AGACTCCGTC | 67140 |
| TAAAAATAAT | AATAATAATA | ATAATAATAA | TAATAATAAT | AATAAATTGG | ATGCATTTTA | 67200 |
| TCCTATTAAT | CTTCTCTTGG | TCGGTGGTTT | TCAGCGACTC | TTCAGAGGCC | AAAGAGTAAG | 67260 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-------|
| TTTTCCCTTA | GCCCCTACAG | GTTCTTATGT | TTAATTTGTT | ACTCTCATTT | AAGACATAAT | 67320 |
| TAAAGTGGCT | TCTCCATGAA | GATTATTTCT | GCATCCATTA | TTTGGTAAGA | TTGGCCGTTT | 67380 |
| TCTCCTTTGA | TCTCTACTTC | ACACTGACCC | ACATAAAACA | TCAGTGCCTG | TTTTTTTGT | 67440 |
| GTTGTTGTTT | GGAGACGGAG | TCTTGCTCTG | TTGCCCAGGC | TGGAGTGCAG | TGGTGTGATC | 67500 |
| TCCGCTCACT | GCAAGCTCCG | CCTCCCGGAT | TCACGCCATT | CTCCTGCCTC | AGCCTCCTGA | 67560 |
| GCAGCTGGGA | CTACAGGCAC | CCACCACCAA | GCCCGGCTAA | TTTTTGTATT | TTTAGTAGAT | 67620 |
| ACGGGGTTTC | ACTTTGTAA | CCAGGATGGT | CTCGATCTCC | TGACCTCGTG | ATCGGCCCCG | 67680 |
| CTCAGCCTCC | CAAAGTGCTG | GGATTACAGG | AGTGAGCCAC | TGCGCCCGGC | CCCGTTTTTT | 67740 |
| TTTTTTGGTTT | TTGCATGTCT | TCTCCCTTTT | ACTGTAAACT | ATTTCCACTA | CCAGCGTAGT | 67800 |
| TATCATTTCT | ACTGCTTAAT | AATTGTTTTG | GGGAAGTGAA | TGCATCAACC | CACATGAATT | 67860 |
| TCTTGTCTAT | TTGACAATTT | ATTCTCTTTA | GGAATAGTAT | TAATCCTAA | GGTCCTGGGA | 67920 |
| GCCAGTCTCT | GTAAGTGGCT | GCTCCAGGGT | CCTACTTCAG | TTTCCAGCT | TCTCAGTACT | 67980 |
| GTCAGTGTCA | ATTGTGGGTA | ATAATTATTT | TTGTCCACCA | AAAGACTCTG | TATGTGAATG | 68040 |
| AGTTTTGAAA | TCTGCTGAGT | AATACAGTGT | CAACCCAGTT | AATGATTTGC | CGGGCGGCTT | 68100 |
| GATCAGGGGC | TGTCCAATA | CCGGCATTTT | GATTTGGAGC | GTCATCTAGT | GTCTGAAAGC | 68160 |
| ACAAACAACA | TCCTACATTG | TAAATGCCTT | TGGCTACAGA | GATTGAAACC | AAAGCAAACC | 68220 |
| TATGTTTTGA | ATTGTTATTC | TTCAGCAGTT | CTGCTAGCTT | TGAAAATCT | AAAAGTTAAA | 68280 |
| AAAAAGCTTT | ATATTTCAAT | TTCTGCCTAA | ACTCTTTAAA | ATTGCTAGTT | GACAATTAGA | 68340 |
| TATTTTCAAT | TTAATGAAAT | TTTTTTTTAG | TTCACAGATT | AATACACAAT | GGGGGAGGGT | 68400 |
| TCTTATTCTG | TTGGACTTTT | ACATAACCTC | CACTTTAGTG | CAGTCTGCTT | TATGGGGTCT | 68460 |
| TGTTTGAGGT | GTGTGTGTGT | TTAAGGGAAT | GTGGTTTACA | ATCAAAATAT | TGGGTTGCTC | 68520 |
| TTAGGCACAT | TGTAAAGTCA | CACACCTGTA | TTCTTATTGA | TACATAATGA | TTAATAACAT | 68580 |
| TATTATTACA | GCCTGATCAC | CATCATTATT | GATATATCTA | AATAATGAAT | TTTATAATTT | 68640 |
| TGCTTCCTGT | CAGGCAAGAG | CCAATTTTCA | TGCTACCATG | TTTGTATAGC | AGTATTTATG | 68700 |
| TCTGTATCC | TCAGTCATTT | TACTTCACTT | GTTCTTAGCC | AAACGGCCGA | GAAGCGATGG | 68760 |
| TCATTTTACT | TCAAAAATGA | AAAGAATTAA | TATTTTACG | TTTCCCTTAA | AGACCCTATG | 68820 |
| TTTAACCTCC | ACTCCTGGGT | AAAATGGTCT | AGTCCCTCCT | TTTCATATCA | TCTCTGATAT | 68880 |
| CTTTTGCACA | GCCACTATTA | CCTACCGTTT | TCTAGATCCC | TATTCTTCAA | ACACCACCAT | 68940 |
| GAAGGTAGAG | CCTGTCTGAA | TTATTTTCTT | GTCCCTTGAA | CTCAGTACAT | TGTTAGGCTT | 69000 |
| CTTGAAGATG | TTGATCAGTT | GTTTGTGGAG | TGAATGAATC | AGCTAGCATG | ATTTTCTAG | 69060 |
| ACCACTGAGA | CAAGTGTCTA | AGACACTTGT | TCCTTCCCAT | GTTCTTGCCT | GCCTGTGCAA | 69120 |
| TCCATGCAGT | CTCATGGCTT | CCCAGTGCCT | CAGAATTATC | CCCTGTCAAA | CAGGCATTAT | 69180 |

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|-------|
| AATTTCTGTC | CACTGAAAAG | GACAAAAAAC | TAAGTGTATA | GCTAGAAGTT | AAAAATTACC | 69240 |
| GGCCAGGTAC | TGTGGCTCAC | TCCTGTTATT | CCAACATTTT | GGGAGGCTGA | GGCGGGCAGA | 69300 |
| TCACCTGAGG | TCAGGAATTC | GATACCAGGC | TGGCTAACAT | GGCGACCCCG | TCTCTATCAA | 69360 |
| AAATGTAAAA | GTTAGCCAGG | TGTGGTGGCT | CGCACCTGTG | GCCCCAGCTA | CTCAGGAGGC | 69420 |
| TGAGGCAGGA | GGATCGTTTG | AGCCCTGGAG | GTTGAGGCTG | CAGAAAAATA | GGAATATACT | 69480 |
| CTCTTTCAAG | AGTTCGTGGT | TTGACTGCC | ACCTAGCGTA | CATCAGAAAA | ACCGCATGAC | 69540 |
| ATAGGAAATG | CCTGTGACAG | AGGGGTAAGG | TGAGAGAGGT | TGATGAAGAA | TGTATTGAAG | 69600 |
| GAGTGAAAAAC | GCTTCCATCC | CTCTACTTAC | TAAATATATT | AGTTAAGTAG | TTGGGGCATA | 69660 |
| TTTTAATTCA | TGCATTTTGT | AGATAGAAAA | ACAAAAGTTT | TATTCTGTTT | GATTTAGTTG | 69720 |
| ATACTTTAAT | ATGTGTGTGT | TTAGGATGCA | TGATTTATAA | TCAGTCTGCA | GCACTTCTTG | 69780 |
| GAGAAGTCTG | AATTCTCATT | CTCCATTTCC | TTATTGGCAA | CGTGAGAATG | ATTACAATGG | 69840 |
| TGGTTGTCTC | ATAGAATGCA | GGGAGTCAGA | ATGAAAATAG | TCCATATAAT | GCCTGGTGCA | 69900 |
| GAGGAAGGGT | TCAGTTAACT | GTCTGTATTA | ATATTACTGA | TAACAGTCAT | GACAAACAAA | 69960 |
| AGCTTAACAA | CAACACCACC | AACAACAGTT | GCAGAATTGA | GCCACCAATT | TGCACACAAG | 70020 |
| ATTGTAGGTA | GGATGTTTTA | GAAAAGTTAT | TATTTAATAT | ATGTATATAT | TTTTGTACTT | 70080 |
| AAAATATGTC | AGAGGTTGTT | CTAAGAACTA | TTTAAATGTT | AACTCCTTAA | TCCTCATAAT | 70140 |
| GACCCATGAA | ACAGGTAGGC | TTATTATTGT | CTCTTTACAT | GTGAGAACAC | TGAGACACGA | 70200 |
| AAAGGTTTAT | TAAGTCACCC | AAAGTCACAC | AGCTGGTAAA | ACGGCAAAAT | TGAATTTGAA | 70260 |
| CTCAGACATT | CCAGGTTCCA | AGACAGTCTA | ATTATTCTTT | TGACTAATAT | ACTAAGCTGC | 70320 |
| CTCTGTATTT | TTCCTTGATT | ACTTTGTAAA | AGTATGAGGA | AAATATAAGT | GCTTCAAGTA | 70380 |
| ACCATGAAAA | ATATAAACAA | TCTATGTATC | AACTGAAGCA | TAATTACAAA | TCCTTTGATA | 70440 |
| AGCAAACATA | ATAAAAATTT | GATATCAATC | AAAACCTTTCA | TGTAATGTAA | GCAGGTTGAG | 70500 |
| ATGAATTCTA | TAGTAAAAAA | GTGCAGAGTG | CTGGAATACC | ATGCTCCTAA | TATATTGGCT | 70560 |
| AGGCACACCT | GCCTGCTATC | AAAGGTATGC | ACACACCTTG | GATACAGAAA | GTTGGGACTG | 70620 |
| GGTAGTTATG | TGAGTGTGAT | CAGAATTCTT | TCCCACCTGG | GAAAGAATTG | TCCATCATAA | 70680 |
| GCTTGATGA | TGGACAAGGA | GTGAGCTCCC | AGAACAGTGA | TGTGGGGATA | CATCCTCACA | 70740 |
| TCACAGTGAG | AATGAGTGTT | CTAGACTGTT | TACACACCTA | CCACTCCTAA | ATGCACACAT | 70800 |
| ATAATTGCTT | GCACACACAC | ACATACACAC | TCATCTCTTC | TCTGGTGGTC | CAGCTCTATC | 70860 |
| TCTTATCATT | AGGCTTCTTG | GGGCTAGTAC | CTAGGGCCTG | TATCCTTTCA | GAGGCAGCTA | 70920 |
| AGGGAAGCAC | ACATAATTAG | AAAGAATGAA | CCAGCTTGTT | GGATTGGGTC | TCTTCGCATC | 70980 |
| CAGCCCTCCA | AGTTAAGGAG | AGTACCATCT | TTCTTAGGGT | CACCAAAGGA | AAAAAAAAAA | 71040 |
| AAAGAAAGAA | ACAGAAGGAT | ATCATACAGC | AAGGATCTAA | TGCAAATATG | CCTCAAATGA | 71100 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-------|
| GAGGCTACTG | TGTGCTGATC | CCAATCCCAG | GAAGTGTATG | CACATTATCT | AATTTAATCC | 71160 |
| TCAGTGTATT | TCTGGGAGTA | TTATTCCCAT | TTTACAGAGA | AGGAACTTGG | CAGGGTAACC | 71220 |
| AAGCTCATGA | ATGGAGAAAC | TGGGATTAAA | TATAAAGCTT | CCTTGCTCCA | GAAGTGTGT | 71280 |
| CTTTCTGCTC | TTCCACACTA | CCAGCTCAGC | TGTGCTCTCT | ACATGCAGGC | AGTTTTACAA | 71340 |
| GTTTCAGATT | AGCCTGGGAC | TTCCAGGGTT | TTGAATGGGT | TAGGGAATGG | GGAACTTTTG | 71400 |
| GGTTTACTTT | CCATTTTTTC | TTCATACATA | TGTAATATAT | AACATAAATC | TATGGTATAT | 71460 |
| ATGATAAATA | TATGGCTACA | TATGAACTAT | ATAATCACAT | ATATGCATTA | TAAATAAATA | 71520 |
| TTAATTTTAT | AATATTTTAA | AGGTTATCAA | ATAAATATTA | ATATAAATAA | TTAAATAATT | 71580 |
| AATACTCAGC | TTTGTTTTCC | AAAGTGATAA | ATGCCTATAT | TTAGCAAAAT | ATTTTTTGGA | 71640 |
| GGCCTGATAG | TTTTTAGGAG | TGTAAAGAAG | TCCTGATATC | TAAATGTTTA | AGAACCACTA | 71700 |
| TTTTAGGCTG | TTGTCTTCTG | TCTTATTTTC | CCAGCTAGAC | TGGTAAATAC | TTGAAGGCAA | 71760 |
| ACGTTTAGCC | AGCACATTAA | CATTTTATGT | TTTTATTCTT | TTGTGCTCTC | AGTGGCTGTG | 71820 |
| TCTTTTCTAT | CGATTCTCA | CACTGTATGA | TGGTTATATT | TGTCTGTATC | TGTTCCACCA | 71880 |
| GGTATAAGTT | CTTGAGAGGA | CACACTGCTA | GGCTGATCTT | AGTTTTTATT | ATTTCTCCTG | 71940 |
| GTGTCCTGTG | CTTAACAAGT | GCTCATTAAG | TGTGTAAAAA | CACAGCACAG | TAAAAAACTA | 72000 |
| GACATTAAAA | AATAATGTCA | ACCAATCTAT | TGAAATTTGC | ATTTCCATGT | TTCTTCCAAT | 72060 |
| ATAGTCATTG | TGTCAGGTTA | TGTAATTATT | CTGATGAAGA | CTATTGCCTA | ATATACGTTT | 72120 |
| GCATCTTG TG | CTTTATAACT | GCCTTCATAT | AGACACAGAT | TGAGAAGGTG | TAAAAATGTG | 72180 |
| CATATCCTCA | CAATTGACAA | ATTCTTATCC | TTTGAGGGTA | GGTTTGACTT | TCTGAAATGC | 72240 |
| TTTGACATCA | TTTGAAAGAA | GCTTGAAGAA | TAAGATAGCT | GTTAATGACC | CAGTTTCCTA | 72300 |
| TGTCACCTTAT | ACAATTATAA | TGGCAATTTT | AAAATGTTAG | GTAAATATAT | TTTGCAATAT | 72360 |
| ATTGTTTCCTT | TTGTAATACT | CTCTATGTAT | TTATTTATAT | TTTTAAATTT | TATATTTATG | 72420 |
| TATTTATTTT | TCTGGACAGA | GTCTTGCTCT | GTTGCCCAGG | TTAGAGTGAA | GTGTTGTGAT | 72480 |
| CATAGCTCTC | TGCAACTTCA | AACTGCTTGG | CAAAAGTGAT | CCTCCTGCCT | CAGCCTCATG | 72540 |
| AGTAGAGTAG | CGGGAACACT | AGGCGCATGC | CACTGCACCC | AGCTAATCAC | TATTTATTAT | 72600 |
| GCTCCTACTG | TGTGCTTTAG | TATATTTTCT | GTTGTTTTCT | GCAACCCATT | TTGAGGGCGT | 72660 |
| GTTAGGGAAT | ACAGATGCAG | TAACTTTCGT | CTCAGCCCTT | GAGGTGAGGA | AATATTTAGC | 72720 |
| CTCAGGTTTA | ATCTAATTGT | TGGCCATTTG | CCTTCAAAGA | TTGAAATATG | AGCAAAACTG | 72780 |
| TGGCTCTGGG | TTATATGTTA | AAAAAAAGTT | TATGGGGCTG | AAGCCAGGCA | ACAGACAAGA | 72840 |
| GCCCCACAA | TCTTATTTAG | GCTGAAAATA | TCCTGGAGTC | CCTGTATTGT | TGGTCTCAAG | 72900 |
| CAGATAGCAA | CACTAACACT | TACTCTTTGA | GGCAGGCACT | GCCAGTGGGG | TGGCTGTTAT | 72960 |
| TATTAGCTTC | ATTAATTGGT | GAGTCAGGAA | AAAACAGCTT | TAAATCATTC | AAAGTTCTGG | 73020 |

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|-------|
| CCTATACAGG | ATTTAGTAAT | ATTAGGTTAG | CTACATCCAA | AAGATGACAG | AACCCTACTC | 73080 |
| TAAGGCTGGG | CTTGGTGGTT | CACACCTATA | ATCTCAAAAC | TTTGGGAGGC | TGAGGCAGGA | 73140 |
| GGATCACTTG | GTGCCAAGAG | TTTGAGACCA | GCCTGAGCAA | CATAGTGAGA | CCCCTGTCTC | 73200 |
| TATCAAAAAC | AAAGAACTCT | AATTGGCATA | GTAAGAAGAA | AAAGTGAAAG | AAAAACCAGC | 73260 |
| TGTCACCCCTC | ATTCTTTACA | CCTGTCTTAA | CAACTCTCT | CACTATCCTT | TGAATATATC | 73320 |
| TTGGCTGTTT | GAGTCTCTCT | CTAGCCCCAT | TACTGCTGTT | TGGACTTGAC | ATTTTGCTCT | 73380 |
| GCATTTTAA | CTTTTCTACC | AGGGTTTCCA | GACCCCTGAAG | AGTGTGGCAT | GAAACAAAAC | 73440 |
| TAGTCAACCT | ATAATATTTA | TGATGTGTGT | GTAAATAAAA | GAATACACAA | TATATTGCAT | 73500 |
| TACAATATTT | TAACTGTGTC | CTCAATTTGT | TTGTGGCTTT | CTTGAGGACA | TCAGTTTTGG | 73560 |
| GTGGGACGAC | CACATCCTTA | ATCTGAACTT | TCCCTTGAG | GTCATTCTTT | TTTTTTTGAA | 73620 |
| ATAGAGTCTC | GCTCTGTCAC | CCAGGCTGGA | GTGCAGTGGC | GCAATCTCAG | CTCACTGCAA | 73680 |
| CGTCCGCCTC | CTGGGTTCAA | GTGATTCTCC | TGCCTCAGCC | TTCCAAGTAG | CTGGGATTAC | 73740 |
| AGATGCACGC | CACCATGCCG | AGCTAATTTT | TGTATTTTTA | GAAGAGACGG | AATTTACCA | 73800 |
| TGTTGGTCAG | GCTGGTCTTA | AACTCCTGAC | CTCATGATCT | GCCCACCTCA | GCCTCCTAAA | 73860 |
| GTGCTGGGAT | TACAGGCGTG | AGCCACCCCG | CCCGGCCAGA | GGTCATTCTA | ATAGACTTTT | 73920 |
| TTTTTGTGT | TGCTCACAGG | CTTGTTCAAT | CTTATTTCAA | AATTTGAGAA | ATACAGTTTC | 73980 |
| CATGGAACAC | CAACCAGATA | TCAGGTTGCT | ATGGAGTTGA | TAGTCAAAAG | CTTTGTATCT | 74040 |
| TCCAGTTTTT | CAGAATGGCT | TCTAAAGGTT | CTGATTGAGA | GCTCTTAGGC | GAAATTGAAC | 74100 |
| AACCAAGTGT | CAAAGTACAA | CATTCAGGAA | GTTAAAAACA | TGACTGACAT | ATATGTACTA | 74160 |
| TATATAGTGA | GCTTGTGTAT | GTGTCAATGA | ATGATTTAAT | TCATTAATGA | AGGAGGAAGC | 74220 |
| AGAATCACAA | TTAGGTCAAA | GGAAGATACG | GGAGAATAAA | ATATGTATTT | GGTCAGGGAA | 74280 |
| AGGATGTATA | CTGGAAGAGG | AAGGGAAAAT | CAGATATAAA | GTTGTTTAAT | GACTTATTAG | 74340 |
| GCAATACAAT | AATAACTTTT | AGGGTCATTT | TTTCTATATT | AAGAATTCAT | TTCCATCTCT | 74400 |
| ATGACAAAAT | CCTTATTAAT | TTATTAAACT | TCTACAAGTG | AATGTTTACT | TTTAGATAGT | 74460 |
| CTGGACCCAA | TAAAATGTAA | ACATTAAGTC | AGAGTTACTT | TCACGTAGGA | CAGTGTTGTC | 74520 |
| CAATAAGGTA | CCACTAGCTA | CACGTGATCA | TTGACCATT | GGACTATAGC | TAGACTGATT | 74580 |
| TAAAATGTTC | TAAAAGTGTA | AAATACACAC | CAGGTTCTGA | AGATTATCA | TTTAAAAAAG | 74640 |
| AATGTCAACT | GTCTTTTTTT | TTAGCTTATT | TATTATATGT | TGAAGTGATA | ATAGTTTAGA | 74700 |
| TATATTAAGT | TAAATAAAAT | ATCTTAAAAT | TAATTTTACT | TGTTTCTTTT | CATTCTTTCA | 74760 |
| ATGTGACCAC | TAGAAATCTG | GAAAGTATTT | ATGTGATTCA | CATTCTATTT | TACTGTCTAG | 74820 |
| TATTGCCTTA | CATCATCAGG | TACCCCATAA | GTAGGCTTTT | TAGATAATTC | TCTAATATAG | 74880 |
| CTTGAAGGA | TATGGAGAAA | TATTTTTCG | TTGCTTTTAA | GTTTTCATA | ACTTTTTCAA | 74940 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-------|
| CACACTTTAT | AAAGGATCTA | GAAAAGGGTT | GGTTACATGT | TTCTCTGTCT | TCTGGCCTCC | 75000 |
| ACCATGTTGC | CAGGAGGTTG | GGGACAAGAT | TCTGGGTGGC | TGGATGTCCT | AATGGCTTGA | 75060 |
| GGTCTGGACT | TGAGATTTC | ATATAAAGAG | ATGTGATTAG | ATTGAGTCGA | CTAGAAAAAT | 75120 |
| CATATTAGAG | AACTGAATCA | CAGCGATTAA | ATTTACATGT | CGATTTATAA | ACCAGGACAC | 75180 |
| CAATTTATAG | TGAAAGAAGG | TCCAGTTACC | TGGTAATCAA | GACGTTTCAT | AGCTATTTTC | 75240 |
| ATGATGGATA | TACTTAGCTG | AGTTTTAAAT | GAGAAGGGGG | TTCATTGCAC | ATAGAATAAG | 75300 |
| ATCTAAGTGA | AATGTTTATT | TTATTTTTTT | TTTTTTGACA | TGGAGTCTTG | CTCTGTTGCC | 75360 |
| CAGGCTGGAG | TGCAATGAGG | CAATCTCGGC | TTCTGGAGTG | CAATGAGGCA | ATCTCGGCTT | 75420 |
| CTGGAGTGCA | ACGAGGCAAT | CTCGGCTCAC | TGCAACCTCC | ACCTCCCGGG | TTCAAATGAT | 75480 |
| TCTCCTGCCT | CAGTTTCCTG | AGTAGCTGGG | ATTAGAGTTG | CCTGCCACCA | CGCCAGGCTA | 75540 |
| ATTTTTGTAT | TTTTTTTAGT | AGAGATGGGG | TTTCACCATG | CTGGCCAGGC | TGGTCTCGAA | 75600 |
| CTCCTGACCT | CAGGCGATCT | GCCCCGCTCA | GCCTCCCAA | GTGCTAGGAT | TACAGGCGTG | 75660 |
| AGCCACCAAG | CCTGGCCTAA | GTGACATGTT | CTTATATTGT | TCCTTCTTTT | CTTTTTTTTT | 75720 |
| CGACTGAGTC | TCACCCTGTT | GCACAGGCTG | GAGTGCAGTG | GCGTCATTTT | GGCTCATTGC | 75780 |
| AACCTCTGCT | TCCCGGGTTC | AAGCGATTCC | CTTGCCTCAG | CCTCCTGAGT | GCCACCACCC | 75840 |
| CCAGCTAATT | TTTGTACTTT | TAGTAGAGAT | GGTGTTCAC | CATGTCGGCT | AGGCTGATCT | 75900 |
| CAAACCTCTG | GCCTCAGGTG | ATCCGCCCCC | GAGTCTCCCA | AAGTGCTAGG | ATTACAGGCG | 75960 |
| TGGGCCACGG | GGCCCAGCCT | TATATTATTT | CTTTTACTAC | AATATATTAG | TATGATGCAG | 76020 |
| GTGCTTCAAT | TGTTTATACA | CTTTCATAA | TTTTGTATAA | TTCTTATACC | CTGTCACTCT | 76080 |
| GAGGAATAGC | CGGTCTAAGT | GTTTTTCCAC | CACTGCTAAT | TCATCCATCA | CTAATCTCAT | 76140 |
| TAGACTGTTA | ATTCCCAGAG | GACATAAGCA | CACAAGCAGA | CAATGTTTAC | AAATGTTGGA | 76200 |
| CAAATGTTAT | TTAATAAAAC | AATGGGGTCA | CCCTTAGTCT | AAAAGATGTT | TCACTTTTCA | 76260 |
| TTTGTCAATTG | AACTCTTATT | TGTAGGTTCC | CTTTTGACTT | TCCCACAATC | TAAGGCTGTT | 76320 |
| CTCTTTAACA | CATATTTTCA | TGAAAACATA | TATTTGAGCA | GAAATTGTTG | GGGAGTTGTA | 76380 |
| ATATTACCTT | TGTCCCTAAA | TATGAATCTA | TAATTATATC | AAATATATGG | GCAGACAATT | 76440 |
| TACTTTGCCT | TTAATCTCAA | GAAAAAATA | GCAATTACTT | GGGGTCGGAG | AGTAAAATAA | 76500 |
| GAAGTAGTGA | ACCTTAAAGT | AGCAAACCTT | AGAACAGAAT | AGTTTCAGAG | GGGATGAGAA | 76560 |
| GAGGTGATTT | TTCAGCTCAT | CAACAACAGA | TCTTATAATA | AATTACATGT | TCTGGTACTT | 76620 |
| TTCTTGCTTT | TCTGTGTTAA | ATTTTGCTAT | TTAAAAAAT | AAATTTCAAA | TACATTGTTC | 76680 |
| ATCTTAAAAG | TCAAGAGTGT | GTTTTATTAA | AGTCAGTTGC | TTTATTTGCA | ACTCAAAAGA | 76740 |
| TATATTTGAG | TTCCCAACTG | GAGATTGTCC | TATATGGTAA | CTTGCGTAAG | GTATGGTTAC | 76800 |
| TGAAAGTAAC | CTACAATTTT | CATGGGCTGA | AATTCATTTC | TATATTGCAG | CGTACAAAAA | 76860 |

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|-------|
| TAAATAAATA | AAAAATGCTT | GTTTTCTTTG | AAAACATATT | ATCTCAGTGC | CTCTAACTGC | 76920 |
| CAAATCTATT | GGCTTTTTTG | CAGGCTTAAG | GGCTCTCCCT | TGTTCCCTTA | TGATCTCTAT | 76980 |
| CTTGAGGGCC | AGACCTCCTG | CCTTACACAA | CTCAGAGGGG | GACCTCAGAG | CTCTTTAAAA | 77040 |
| AGAGCCCAAT | TTCTCGCCTG | TAGAGAAGTG | AAAAGGATGC | CCCACCCCCA | TCTATGAAAA | 77100 |
| GAGGGATTTG | ATAGTTTCAA | TGTCTTCAAA | TCAAAGATTT | AAGTCTGTAG | CCCCCACCAC | 77160 |
| CCCCGGACCC | TAGCAAGGCT | CATGAACCCC | CTCCCATCCC | GCCCTAATTG | CTTTGGACTG | 77220 |
| GCCGTGGAAT | CCTTGTCCTA | GTCCACAGTT | CCTGTGCGAC | TGCACGAAGA | ATTACACAGAG | 77280 |
| GACCTGTGTT | ACTTCCCTTG | TGAAGAAACA | GAATTATCAT | GAAAATTTAG | GTGGAAACCA | 77340 |
| TTTCGCTTTT | TTCTTCAAAA | ATAAGGGAAG | CATGTGCCCA | ACCACCCCTG | GGAAAAAGAA | 77400 |
| CCTTCAGGGG | CAAAGGAGCG | AACAGGTAAT | TTATAAGAAA | AACAGAAAAGT | GGTCTCTGAC | 77460 |
| TGCCCCAGAC | TTCTTTCGGA | GTTGGGGGAA | TTGGGGACGC | CTGGACGCGT | TGTTTTTGTG | 77520 |
| TTTGTGGAAA | AAATAAATGA | AGAGCATGAA | GCCCGAGGCT | TCTGAGATCC | TTTCCTGACC | 77580 |
| AAACCCAAGT | GATTTGGTGC | GGGGAATTTT | AATATTTTTT | CCCTTTTGTG | AGGTGGAACA | 77640 |
| AACACAACCT | GGGAGCAGCG | CAGCGGCTCA | GAGCCTGCCA | GCCAGGCGGG | CGACCAGAGC | 77700 |
| ACCAATCAGA | GCGCGCCTGC | GCTCTATATA | TACAGCGGCC | CTGCCCAGGC | GCTGCTTCAT | 77760 |
| CGGCGCTTTG | CCACTTGTAC | CCGAGTTTTT | GATTCTCAAC | ATGTCCGAGA | CTGCTCCTGC | 77820 |
| CGCTCCCGCT | GCCGCGCCTC | CTGCGGAGAA | GGCCCCGTGA | AAGAAGAAGG | CGGCCAAAAA | 77880 |
| GGCTGGGGGT | ACGCCTCGTA | AGGCGTCTGG | TCCCCCGGTG | TCAGAGCTCA | TCACCAAGGC | 77940 |
| TGTGGCCGCC | TCTAAAGAGC | GTAGCGGAGT | TTCTCTGGCT | GCTCTGAAAA | AAGCGTTGGC | 78000 |
| TGCCGCCGGC | TATGATGTGG | AGAAAAACAA | CAGCCGTATC | AAACTTGGTC | TCAAGAGCCT | 78060 |
| GGTGAGCAAG | GGCACTCTGG | TGCAAACGAA | AGGCACCGGT | GCTTCTGGCT | CCTTTAAACT | 78120 |
| CAACAAGAAG | GCAGCTCCCG | GGGAAGCCAA | GCCCAAGGTT | AAAAAGGCGG | GCGGAACCAA | 78180 |
| ACCTAAGAAG | CCAGTTGGGG | CAGCCAAGAA | GCCCAAGAAG | GCGGCTGGCG | GCGCAACTCC | 78240 |
| GAAGAAGAGC | GCTAAGAAAA | CACCGAAGAA | AGCGAAGAAG | CCGGCCGCGG | CCACTGTAAC | 78300 |
| CAAGAAAGTG | GCTAAGAGCC | CAAAGAAGGC | CAAGGTTGCG | AAGCCCAAGA | AAGCTGCCAA | 78360 |
| AAGTGCTGCT | AAGGCTGTGA | AGCCCAAGGC | CGCTAAGCCC | AAGGTTGTCA | AGCCTAAGAA | 78420 |
| GGCGGCGCCC | AAGAAGAAAT | AGGCGAACGC | CTACTTCTAA | AACCCAAAAG | GCTCTTTTCA | 78480 |
| GAGCCACCAC | TGATCTCAAT | AAAAGAGCTG | GATAATTTCT | TTACTATCTG | CCTTTTCTTG | 78540 |
| TTCTGCCCTG | TTACTTAAGG | TTAGTCGTAT | GGGAGTTACT | GAGGTATCAG | ACGAATTGGG | 78600 |
| TGACGGGGTT | GGAGAGTGGC | CGTGGTGAGG | TTACAGCATT | TAAACCTTTA | TTGCGGCTTC | 78660 |
| TAGGTCCCTG | ACCGGAGGCT | TTTCTCGCTG | GCGGATGGTT | TTGGGATGGC | AGTCCCGCCC | 78720 |
| CAGGCCTGTG | AACGGCAGAA | AAGACCGCAA | AACAAGAGCC | AGTTTCTTAG | TCTAAAGGGA | 78780 |

| | | | | | | |
|-------------|------------|------------|-------------|-------------|------------|-------|
| TGTCCGGATT | GGACTAAAAA | ATTTTCAAAA | GTCCCGCCCT | GCTCCCGGGT | TGGTCCGTTT | 78840 |
| TTCTAGTACA | TGACTTTCAT | TCTGTATTTA | ATTGGATGGT | GGAAGACGTT | GCTTATTCTG | 78900 |
| TGTTTTTTTGC | TTTACTGTGA | CTTAAAAGTT | TTGCCTCTTT | TCTCTTTATA | TTAATGTCTG | 78960 |
| GGATTTCGGA | CGCTTTCCAT | GTTGTTGGTA | GTCAAGTTGA | TGTCTCCTGG | AGGTAGTGGC | 79020 |
| AACATCCAGC | CCTGGGAGGA | GAGTGCCTGC | AGGTACCTTT | GTCCTACATT | CCTCTGCTGT | 79080 |
| TAATTTCTCA | TTCCTGTGGC | AACGAAGGAA | TGCATTTAAA | AAACAGCCAC | AACAGCGGCA | 79140 |
| ATAGCCCTTC | CTCCACCCAA | GGCAATCGTG | GACCTAGGGA | GTTTTTTGTG | CCACATAACA | 79200 |
| TGTAGCCTTC | CGCTAAACTG | ACAGGTTTGA | GCGTATCGAT | TTTGAGCGTA | TCGAAAGCAC | 79260 |
| AACTTTTAGC | CAGCCATTTT | GTCCTCGCAT | GACTACGGTT | GCTTATCCTG | TTTAGACAGA | 79320 |
| CAGCAACATT | TAAAAATCGA | AGTTCCTTTA | AACGTATTTT | GTTTGGCAGT | CCAAATGTTT | 79380 |
| CTATGCAGAA | AACAGTATTT | GTACTATTAA | CTATGAAGAG | TGTATGGATA | AATGGGAGAC | 79440 |
| ATTTCTAATA | AAGGCCTTCG | TTAATGGTTC | CCTCTGTTTG | ACATCCATGG | TGCTTCTGAA | 79500 |
| TACAGAAAGC | CTAGCGTCTT | ATATTCGCTT | CTTTTAAAT | CTGGTGGGCA | CATTTTGGTG | 79560 |
| AGACCTAAAT | TATGGGGACT | GGGGCTTCTG | GAGATAAGCT | GCTCAATTAT | TCTACCATCT | 79620 |
| CCACAATGAT | TAATATAGTG | AGTTGATTTG | TTAGTGATAG | TGACCACGGA | TTCATCCCAA | 79680 |
| GAAAGAGAAA | GGGGAGGGAG | GCAAGCAGAG | AGACAGGAAG | ACAGAGGCAG | GGAAGAAGGA | 79740 |
| GAAAACATTC | TCCCATGGTT | TAAGTAATTT | TGTGTTGTTA | ATTTTACATT | ACAACACGGT | 79800 |
| TTAACATGGT | GAACCCTCTA | TTTTGGTGTA | AGGTTTAAACA | TATGGACATA | TTTTTCCCAA | 79860 |
| GACCATTTAT | GAACTTTCAT | TTCTGCTTCC | CCCTTCTTCC | TCCCGTGCCA | CCCTCCACGC | 79920 |
| TCCTATCAAT | TTTGGCTGTT | TTGTCATAGG | CTAATACGCT | ATAATTTTCAT | GGACAGTTGG | 79980 |
| ACTGTCTTAG | GTTTCTCAGG | TTTCTATTTT | GTTCCCTTAG | TCATTCCCAC | AATCTTAAG | 80040 |
| GTAGAATTGT | ATTGTTTTAA | ACATTGTGTT | GTGTGCTATC | CTCAATGCTG | AGATGATTAT | 80100 |
| GTGACAAATG | GCAAGTGTTT | AACTAATACC | TAAATCTGTA | GTATCTTATC | AAGCCTAATG | 80160 |
| CTACTTCACA | ATGCCTACTC | CATTCACCTC | ACTTTATCTC | ATTACTGGCA | TTCTGTCATC | 80220 |
| TCACATCATC | ACAAGTAAAA | CGGTAAGCTA | TTTTGAGAGA | GATCACAGTC | ATATAATTTA | 80280 |
| TATTTATATT | TATTTATTTA | TTTATGAGAC | GGAGTTTCCC | TCTGTCACCC | AGGCTGGAGT | 80340 |
| GCTGTGGCAC | GTTCTCGGCT | CACTGCAACC | TCCGCCTCAC | GGGTTCAAGC | GATTCTCCTG | 80400 |
| CCTCCGCCTC | CCGAGTAGCT | GAGATTACAG | GGGCCTGCCA | CCATGCCCCG | CTAATTTTTG | 80460 |
| TATTTTATAGT | AGAGACGGGG | TTTCACTAAG | TTGGCCAGGC | TGGTCTCGAA | CTCCTGACCT | 80520 |
| CAGGTTATCC | GCCCACCTCA | TCCTGCCAAA | GTGCTTAGAT | TACAGGCGTG | AACCACCGTT | 80580 |
| CACAGACTCA | AATCATTTTT | ATTACAGTAT | ATTGTTATAA | TTGTTGTTTT | ATTATCAGTT | 80640 |
| ATTGCTAATC | TCTTACAGTG | CCTGATTTAT | AAATTAAATT | CATCATTGCC | ATGTGTATAT | 80700 |

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|-------|
| AGAAAAAAAC | AGTGTATATA | CGGTTGAGTA | CTATCTGTGG | TTTCAGGCAT | CCACTGGGGG | 80760 |
| TGCAGTTTAT | TAAACATGCA | TTTACATTAG | TCTCCCCCTT | GGGAGACTAA | TTAACTGAGA | 80820 |
| TGTTGTAACG | TGACTTTAAT | AGCAGATAGA | GCTAATTTTC | TCTCATTACT | CTTCTTTTTT | 80880 |
| AGAATTTTCC | TGGTTATTCC | ATTTTTTATT | TTTCCATATG | TATATTAAGA | TCTCTTCCAC | 80940 |
| CTCCTCCTGT | TTCTCCATCT | CAACATCAAA | CAATTAAAAA | AAAAAAAAG | GCTGGGCGCG | 81000 |
| GTGGCTCACG | CCTATAATCC | CAGCTCTTTG | GGAGGCCTAG | GCGGGTGGAT | CACGAGGTCA | 81060 |
| GGAGTTCAAG | ACCAGCCTCG | CCAAGATGGT | GAAATCCCGT | CTCTACTAAA | AGTATAAAAA | 81120 |
| TTAGCCAACC | ATGGTGGCAG | GCGCCTGTAA | TCCCGGCTAC | TCGGGAGGCT | GAGGCAGAGA | 81180 |
| ATTGCTTGAA | CCTGGGAGGC | GGAGGTTGCA | GTGAGGCGAG | ACCTTGCACT | CCAGCCTGGG | 81240 |
| TGACACAGCG | AGACTCCGTC | ATAAAAAAAA | AAAGCCGGAA | GCAGTGGCTC | ACGCCTGTAA | 81300 |
| TTCCAGCACT | TTGGGAGGCT | GAGTCAGGCA | GATTACCTGA | GGTCAGGAGT | TCAGGACCAG | 81360 |
| CCTGGCCATG | AAAATACAGC | CTGGCCATGA | AAACACACAA | TAAATTAGCT | GGGCGTGGTG | 81420 |
| TCACACACCT | GTAATCCTAG | CTACTCGGGA | GGCTGAGACA | GGAGAATCAC | TTGAACCCAG | 81480 |
| GAGGCAGAGG | TTGCAGTGAG | TTAAGATGAC | GCCACTGCAC | TCCATCTGGG | CGACAGAGCC | 81540 |
| AGACTCTCTC | TCAAAAAACT | AAATAAATAA | AAATAAAGTT | ATGGTACATT | GAACCTCTGT | 81600 |
| GTTCTTTTCT | CCCTTAGATA | CTTTCATGGC | TACCCATTTA | ATTGATGTTT | TTATCATCTC | 81660 |
| CAAGAGTTAG | TCAGGAGAGG | AATCAACCCA | AGCAAAAATA | GCTGATTTTC | TAATTTTCCT | 81720 |
| TCAATGCCCT | TTGGGGTCTT | AATCCATTGG | ATTTATGTAC | TTTCAATTAA | TCCTAACCTC | 81780 |
| GAATGTCTTC | TGCAAACATG | TTTCCACAGA | TGAAACTCGT | CAAATGAAAC | ACATTCCTTT | 81840 |
| AATTTATAGA | GTTAAAAATT | AGAAAAATTT | TCAATTCTAT | TTGGCCTTTA | GATTCAGTCT | 81900 |
| TGCATATGTT | TTCTCAATTT | TGTTTCATGCT | CTTTAGTTTT | GTTTTATTCC | ATCACAATTG | 81960 |
| TTACATAGC | TTACTGGCTT | AGGTCTAATG | AACCATTCAT | TTGGAAATTA | AAATTGGCCA | 82020 |
| TTTTAAGATG | AAAAAGATTC | TTGCCTCAAT | TTTACTTAGT | TTTTGAAACT | GTCAATGAGG | 82080 |
| ACACATGTTT | TTCTGTACTC | TTAGATTAC | TAAGTAGTGT | CTTGCAAATT | TAAGTGACAA | 82140 |
| AGGACAGATT | AACATGCGAA | AAAAAGAGCA | TGCAATTTTA | TTAGTATATT | ACATGCACAG | 82200 |
| AGTTCCCAAA | GAAAAAATAA | TTGAAACCTT | AAAAACGCGG | TTAGACTCAC | AGACTTATAC | 82260 |
| ACCATTCCAA | CAAAGGAAAAG | GGAGTTTGCA | CTTCATGGGA | TGACGAATTT | GGGAATGTGA | 82320 |
| CAAGGAAATA | AATACATGGG | CAATAAAAAAC | CATGGAAGAT | AAAATGAAAG | ATAGAAATAA | 82380 |
| TTGTAGTAAG | GTTTGTTTTT | GCAGAGTCAT | CTCAGTGCCA | ACCTTCCATA | TCTAGTGATA | 82440 |
| AGAATTGCTC | TCTTTTTCCT | GGTATAGCAG | TTGGGGACAC | TTTTACAAGG | GAAATTTCTG | 82500 |
| TCACCTTCAC | AAAGGGAAAAT | TTGGGTAAAG | AGAAGACAGA | GACCTCTTCC | TACACCTGTT | 82560 |
| GATTTTCAAT | TGCCTTCAGC | TGAAAATAAC | TTTTATGCCA | AAGTAGAATA | ATTTGGGGGT | 82620 |

| | | | | | | |
|-------------|------------|------------|------------|-------------|------------|-------|
| GACATCCTGA | TATTCTTCAA | AACTTATATT | TAATTTTACA | TTAGTAATTA | TATCATTTTT | 82680 |
| GATTTTTTAAA | TTAGTTTTAT | AAAATAATTT | TGAAAAACGG | TAATAATATT | CAAATAATTC | 82740 |
| CAGAAACACT | GCTGATAAGC | CAAAAACATC | AATGAATATT | GCATAAACAA | CTGATAATTC | 82800 |
| AACCATGAAA | ATTTATGACA | TTGTTCTTGT | GTGATAAAAC | TATGAGTAAC | ATAAAAACTA | 82860 |
| GAGGCTACTT | GTAATGCATT | ATTCCAAACT | TTCTGTTTTT | TATTTATTTA | TTTATTTATT | 82920 |
| TTGAGACATA | GTCTCTCTCT | GTCACCCAGG | TTGGAGTGCA | ATGGCGTGAT | CTTGGTTCAC | 82980 |
| TGCAGCCTCC | ACTTCCCCGG | TTCAAGCAAT | TCTCCTGCCT | CAGCCTCCTG | AGTAACTGGG | 83040 |
| ATTACAGGCA | CCTGACACCA | AACCCGGCTA | ATTTTTTTGT | ATTTTTTAGTA | GAGACGGGGT | 83100 |
| TTGCCCATGT | TTGCCAGGCT | AGTCTCGAAC | TCCTGACCTC | AGTGATCCAC | CTACCTCGGC | 83160 |
| CTCCCAAAGT | GCTAGGATTA | CAGGCGTGAG | CCACCATGCC | CGGCGCATTA | TTCCAAACTT | 83220 |
| TCATACACAG | TGCTATCATG | GCTACAAATT | GAAGTATCAT | ATTATACACT | CCTAGGCAAA | 83280 |
| GCTCTGGATA | TTTTGGCTAT | ATAAGCCTGA | GGGAAATGTA | GTAAGGACAT | TGTGGTTGAA | 83340 |
| ATTCATACCA | GAGATGAACA | GGCCCAGTGC | AAGACAGAAT | TACATCACTA | AAGGATATCA | 83400 |
| GAAGAGAATA | GGGATTTAGG | GTACAGTGGC | AACAACAGTT | TTGGGAACTA | GCATTTTTTG | 83460 |
| AGCACTTATT | TACAATATGC | CAAGCACTGT | TGCTGATTAC | TCTATATTTA | TTTTCAAACA | 83520 |
| CATTCTTGTC | ACAGCACTTT | GAAGTAAGTG | CCATTGTCAT | TCCCAC TTCA | GGGTGAAGGA | 83580 |
| CTAAAGCTTG | GTGTCATTAA | GGATGTAGCT | AGTTAGCTGT | GTGTGTGTGT | GTGTGTGTGT | 83640 |
| GTGCATTTTT | TTTTAAATTT | AAAGTCAATA | AATTTTTATT | TGAAGAATTT | CACATCAAGG | 83700 |
| TAAACTTTGT | TCCTCTAAAG | AGCTGGAGTC | AAAATGTATC | TTCAAAAGAT | TCATCTTCAA | 83760 |
| GTTAGCCCTT | CTTAATAGAA | CTGATGCTTA | ATCCACAGTT | GTCAGCCAC | AGTTCTTTTA | 83820 |
| TTTTGACTTT | TTTTTTTTTT | TTTTTTTGAG | ACGGAGTCTC | TCACTGTCAC | CCAGGCTGCT | 83880 |
| GGGCAGTGGC | GTGATCTCGG | CTCGCTGCAA | CCTCTGCCTC | CCGGGTTCAA | GTGATTCTCC | 83940 |
| TGCCTCAGCC | TCCTTAGTAG | CTGGGACCAC | AGGCGCATGC | CATCGTGCTC | GGCTAATTTT | 84000 |
| TGTATTTTTTA | TTAGAGACAG | GGTTTCACTA | TGTTGGCCAG | GCTGATCTCA | AACTCCTGAC | 84060 |
| CTCATGATCC | GCCTGCCTTG | GCCTCTCAAA | GTGCTGGGAT | TACAGGTGTG | AGCCACTGCA | 84120 |
| CCCGGCCTTA | TTTTGCCTTC | TTTAATCTCC | ATTTGAACAT | ACACATACTG | ATGAAAACTA | 84180 |
| CAACATTCTT | CACCAAAAAT | CTTTGGGATT | TAATTTCTTC | AACCACTTTA | CTTTGGGGTC | 84240 |
| ATTTTAAGAT | TAGGTGTATC | TGCCTGGTTC | TCAATTTGAC | ACCCTTTCTC | TCTAAACATG | 84300 |
| AATGAGTTCC | AATCATATTT | ATTCTTAAGC | TATCACACTC | AAATATACTA | CAGATCTGTG | 84360 |
| GAATATGCCA | AAAGTTAAGG | TGAAAAATTA | AATTATTAGG | TATTTCATAG | TTTTGCTAGT | 84420 |
| TTTTGATCTG | TGAGTGAATA | TAACTATCCT | CTATGTCCTG | GCACTGTTCC | TCAGAAACAT | 84480 |
| AGGGTCCACA | TATGTAATTT | TAAATTTTTT | AATAGGCACA | TTTTAAAAAG | TGAAAAAAGA | 84540 |

| | | | | | | |
|------------|------------|------------|-------------|-------------|-------------|-------|
| AATCTATTTT | AATGATTTGA | ATCCAGTGTA | ACCAAAAATT | GTTTCAACAA | GGTATCTAAT | 84600 |
| ATTAAAATAT | TGAGTTTTTA | CTTTGTTATT | TTACTAGTTC | TTTGAAATCT | GGTGTGTATT | 84660 |
| TTACACTTAA | AGCACATCAC | AGTTTGGAGT | AGCCACATTT | CCAATGCTTA | ATACTCACAT | 84720 |
| ATGGTTAGTG | GCAACTATCT | TGGACAGGAC | AGCTTTTATA | CTCTGGGAAG | ACACAAGCAA | 84780 |
| ATACTTGCTC | TGCAGCAGAA | TCCAGATGTT | TTCCAAGAAA | ACACTTTTTTC | TGACCTGTTT | 84840 |
| CTGAAACCCA | GGTAGTGTCT | CTAATACTTT | ATATTTTATT | GGTTTGTCTT | ATTGTAACCA | 84900 |
| CCCAACGGGC | TCTCCTTGTC | CACTTCCTAG | ACAGAGCTGA | TTTATCAAGA | CAGGGGAATT | 84960 |
| GCAATAAGGA | GCCAGCGCTA | CAGGAGACTA | GAGTTTTATT | ATTACTCAAA | TCAGTCTCCT | 85020 |
| TGAGAATTTG | GGGACCAAAG | TTTTTAAGGA | TAATTTGATT | GTAGGGGACC | AGTGAGTCGG | 85080 |
| GAGTGCTGCT | TGGTTGGGTC | AGAGATGAAA | TTATAGGGAG | CCTAAGCTGT | CCTCTTGTCG | 85140 |
| TAAATCAGTT | CCTGGGAGTG | GTGGGGTGGG | GGACTCAAGA | CCAGATAATC | CAGTTTATCT | 85200 |
| ATATGGGTGG | TGCCAGCTAA | TCCATTGTGT | TCAGGGTCTG | CAAATAGCT | CAAGCATTGA | 85260 |
| TCTTAGGTTT | TAAAATAGTG | ATTTTATCCC | CAGGAGCAAT | TTGAGGTTTA | GAATCTTGTA | 85320 |
| GCTTCCAGCT | GCATGACTCC | TAAACCATAA | TTTATAATCT | TGTGGCTAAT | TTGTTAGTCC | 85380 |
| TGCAAAAGCA | GTCTGGTCCC | CAGGCAGGAA | AGGGGTTTGT | TTCTGAAAGG | GCTGTTATTG | 85440 |
| TTTTTGTTTA | AAAGCAAAAG | TATAAACTAA | GCTCCTCCCA | AAGTTAGTTA | ATCCCAAACCT | 85500 |
| CAGGAATGAA | AAGGACAGCT | TGGAGTTTAG | ACGTTAGATG | GAGTCGGTTA | GGTAAGATCT | 85560 |
| CTTTCAGTGT | AATAATTTTC | TCAGTTATGA | TTTTTGCAAA | GGCAGTTTCA | CTGTCCACTT | 85620 |
| CACCTCACAT | CAGGCCTCTG | ACTAGAGGAT | TCCAACAATA | CTTAGGCCAG | GACACCACCA | 85680 |
| TGTCTCCTTA | TCCACCCTGA | GGGAGTCCAA | TTTCTGAAAC | AAAGGAAACT | ATATATGATA | 85740 |
| GTATGAAACT | ATATATGAGA | AGGAAATTAT | ATATGATAAT | CAATTTTAGG | GTTATCTTAT | 85800 |
| TGATTAGAAG | ATATTAAAGT | GTGACACTGC | CTGGCAATGA | TATCTGCTGG | TAGTAAGAAT | 85860 |
| TTGGCGAATT | TAGTGAAATT | CCTGAGGCTG | AACCTCCACT | TCTGTAAAAT | GGAGACAGTG | 85920 |
| AGATAATTTG | CCTTACAATG | CTGAAGTAAG | AATTTTACAC | AATAATTCAG | ACCAACCACT | 85980 |
| TCATGTGGTA | CTTGGCCCGT | GGAAGACTAT | CAATGACAGT | TAGTTTATAG | TTTATACTAT | 86040 |
| TAATGAATCC | TTTGTTCAT | TGTTATTTCC | TTCTACACGT | TGGCCTCTCT | AAAAGAAGGT | 86100 |
| AATATTCAAT | ACAAATAAAG | TTAAAACAGC | TTGCAGAGTT | GTCCCAGGGA | ACTCACTTAA | 86160 |
| CCACTGAAGT | GTTCAAATTG | CTTAAGGTTG | ACTTTTATATT | CTCCTGACTA | ACCTTTCTCC | 86220 |
| TTCTGGTATT | TCTTCTGAGA | ACAGCACCAC | CATCCAAAGC | ATCATGCAAA | CAGTGGTCAT | 86280 |
| CCCAGACCAG | TAATTCTCAA | CTCACAGGGT | GCTCCTGCAG | AGATGTATTT | GAATAGAGTG | 86340 |
| GTAGGATGCT | GAAGAAGGCC | ACGTAAAATT | TGGCCAGTGA | TCTGGGGCAG | ATTTATCCTG | 86400 |
| AAGCTAATGA | AACACAAGTG | TAAGGGCCTG | TACTTCCAAG | GTGCAGAGAG | GGGCCCTACA | 86460 |

| | | | | | | |
|---------------|-------------|-------------|------------|-------------|------------|-------|
| AATGTGTTAG | TTTGTCTCTC | TCTCTCTCTC | TGATTTTAAA | ATTTGCAGTA | TTAAGGTACT | 86520 |
| TTAATCACGG | ATGGTTCAGG | CTGCTATTTT | CACTCAATCC | TCCTTTTTAT | TAAAATCACC | 86580 |
| ATTGTCTGAT | TATGTTAGAA | TCCTGATGAA | AATATTTGGA | ATTTGAGTAA | GAGAAAGTTT | 86640 |
| AGTTGAAGAT | GTATCTAGTA | TGGGGATAAT | AAGTTACGTG | ATTTGCATAT | GTGATCATGT | 86700 |
| GTA CTTT CATT | CGTTGCCAGC | CAATCTGACG | TAAGAATGGC | TTCAAGGAGG | CCGGGCGCGG | 86760 |
| TGGCTCACGC | CTGTAATCCT | AGCACTTTGG | GAGGCCGAGA | CGGGCGGATC | ACGAGGTCAG | 86820 |
| GAGATCGAGA | CCATCTTGGC | TAACACGGTG | AAACCCCGTT | TCTACTAAAA | ATACAAAAAA | 86880 |
| TTAGCCGGGC | GTGTTGGCGG | GCGCCTGTAG | TCCCAGCTAC | TTGGGAGGCT | GAGGCAGGAG | 86940 |
| AATGGCATGA | ACCTGGGAGG | CGGAGCTTGC | AGTGAGCCGA | GATTGCGCCA | CTGCACTCCA | 87000 |
| ACCTGGGAGA | CACAGCGAGA | CTCCGTCTCA | AAAAAAAAAA | AAAAAGAATG | GCTTCAAGGA | 87060 |
| ATGTTCTTAC | TGCTCACTGG | AATAACTCAC | CTAAATTCCT | GGCAAGATGC | AGGTCTAGAT | 87120 |
| AAAATGTTAT | GACATCTAAG | TATTCAAAAC | ACATTCCAG | CACTGAGAGT | GAGTGTCTAG | 87180 |
| TGGAGAGTAG | AAACGTATAG | AGCCAGAAGC | TAGTCTGGAA | AGAATTCTTA | CAAAGTTTAC | 87240 |
| AACTTACATG | TGAAAGGAGC | TTAACAGAGG | ATTTTCCAAA | TTTGAAAACA | ATCCTAAAAA | 87300 |
| CTTACTTGAC | ATTACCAATA | ATGTGTTTTG | AAACTGAAAT | ACTTCTAAGT | TATGAAGAAA | 87360 |
| ACATATTATC | ATCAGCCACC | CTGGAGGAAA | GATTGAATTC | TATTTCCATT | ACCTATAGAC | 87420 |
| AACATTACAA | AATAATTTTCG | ATCTGAAGAT | GGAATCAGAG | TATTCAGTCA | AAACTACAGG | 87480 |
| AAAATATACT | TGGTAGTGTC | ATATTTCAGAA | GTTAATAAAA | TATGCTATTT | TCTGAATTTT | 87540 |
| GTGATGGCTG | TTGTTTTGTC | AGCTTTTATA | AAATTGGAAT | TTGATTTTAT | TTTCCCATTA | 87600 |
| TAAATTTATA | TTTACAGTCT | GCAGTACTTT | TGCATTTTTA | ATTTTACATT | ATAGTTTTTA | 87660 |
| ATAGTTAACA | AGTTGTAAAA | GGTTTGATCC | CCAGAAAACC | TTGATCTACC | CCATCAGTTA | 87720 |
| AGTATACTAA | TATATTTAGA | AAATGGATGA | AATCAGCATT | TGAATATTTT | TAAATATTTA | 87780 |
| TTAAAAGAGG | ACATGGGTAA | AAGAGCTTTG | CAGTTGCCAC | CCTTCATTCT | CAAATTCCCT | 87840 |
| GGATAAGGAT | GACCGCATAA | TCTTTGGATG | GTCATACGCA | AGTCTTG TGT | ACTTGTTACA | 87900 |
| TAAATCTATT | TAGTGGACTT | TTGGCAGTGT | GTACTGAGGC | CAGTTTCTTC | CACCTGAGCT | 87960 |
| CTGACTCCAC | CTCCAGCAGC | CCAAAACCAA | TACTGAATTT | TGGGGTCAGC | TATTGTTTTT | 88020 |
| GTGGACTTAG | GTA ACTACAC | ACACATTGTC | TTTATGATAG | CTTTAATAAT | ACTGCCATCA | 88080 |
| GAACTAAAAT | TGTCACGTGG | ATTAAAAGGA | GTGACGGTGG | TGTCCCCAGG | AGCCTTTCAA | 88140 |
| TATGTAAGTA | TTTACACATA | TACATGCTAA | AAAGACCCCT | AGGAATTTTT | TAACAAGGGC | 88200 |
| AAAACAGTAA | CTCAGCTTGT | TTTCTCGCAG | TAAAACCGGT | TGAAAAGGCC | TGATAGACTT | 88260 |
| GTCTGCAGTT | ACAAAAC TTG | TGTGTAGTTA | TCACCTTTAT | ATCTCCTGGA | AACTAACATA | 88320 |
| GACAACCGAA | TGGGTTACAA | CTGTTTTTAA | GTGAAATTGT | GAGTGGCTCT | GAAAAGAGCC | 88380 |

| | | | | | | |
|-------------|------------|------------|-------------|-------------|-------------|-------|
| TTTTC AATGA | GGAAGAAACG | GGCAGACTTA | TGCCCTTTCC | CCACGGATGC | GACGTGCCAG | 88440 |
| CTGGATATCT | TTGGGCATGA | TGGTGACGCG | TTTAGCGTGA | ATAGCGCACA | GATTGGTGTC | 88500 |
| TTCGAAGAGT | CCCACCAGGT | AGGCCTCACA | AGCCTCCTGC | AGCGCCATCA | CCGCAGAGCT | 88560 |
| CTGGAAACGC | AGGTCGGTTT | TGAAGTCCTG | GGCGATTTCT | CGCACCAGGC | GCTGGAACGG | 88620 |
| CAGCTTCCGG | ATCAGCAGCT | CGGTGGACTT | CTGGTAGCGA | CGGATTTTCG | GCAAGGCCAC | 88680 |
| GGTGCCCGGG | CGGTAGCGAT | GAGGTTTCTT | CACGCCACCG | GTGGCCGGAG | CGCTCTTACG | 88740 |
| GGCTGCTTTA | GTAGCAAGCT | GCTTGCGCGG | AGCTTTGCCG | CCGGTAGACT | TGCGAGCTGT | 88800 |
| TTGCTTCGTA | CGAGCCATTT | GCAATGAGAG | CACACACAAA | AGTGTAGTGA | ACTGAGAGCA | 88860 |
| AGTGGCCTTT | AAATATAGTG | AGAAACATTC | TGATTGGTCC | TGTAATATTT | CAAAAGTCCC | 88920 |
| GCGCGATAAA | ATCATTGGCT | GAAGAGTGAC | CAGACTGATT | GGTTCATTAC | TAGACAATCT | 88980 |
| TATTGGATGA | GTTGCCCCAC | CGCCCATCCT | GTCCTTTTTCG | TTTCAGTTAT | CTGCAGCGAC | 89040 |
| AAATTGTCTA | AAATTCTAGT | TCATCCAGTC | CCAAAGAACA | GAGTGTATAA | CAAGGTATCT | 89100 |
| AAGGATTTTT | AAAATGTAAA | TTCCGATTCA | GTAAGTTTGA | GTGGGACTTG | AAATTC TGCA | 89160 |
| TTCCTGACAG | TCTCGCAAGT | TATCAATGCT | GGTGAACACT | CACTAAACCA | CCAGAAACGT | 89220 |
| TCAGACTCAT | GTGCGGAAAT | AACGCTTATA | TTCAGAGAAT | GAGATTCCAT | GCTATTTTGT | 89280 |
| TACTGGCGAA | CAGCAAGTTT | CCTTGCCCTT | TGTTTTCTAA | GTCCAAGTCA | CATTCCCACC | 89340 |
| CTGCCTGTTC | TCAAAATGTC | TTATTTTGGT | TGGCCTTAAG | TTTCACTTTG | TATACTCTAA | 89400 |
| AATGTACTTT | CTAAAGGAAG | GTGTTATTTT | CTCGAAACTT | AACTTTTTTA | CACCATTAGG | 89460 |
| CTAGGGGGGC | GGTGGCTCAC | GCCTGTAATC | CCAGCATTTT | GGGAGGGCGA | GATGGGACGA | 89520 |
| TCACTAGAGG | CCAGGAGTTC | AAGACAACCC | TGGCTAAAAT | GGTGAAACCC | CGTCTCGCAT | 89580 |
| AAAAATACAA | AAACTAGCTG | GGCGCGGTAG | CAGACGCCTG | TAATCCCAAG | TACACAGGAG | 89640 |
| GCTGAGGCAT | GAGAACCGCG | TGAAGCGGCG | GGGTGGAGGT | TGCAGTAAGC | CGATATCGCG | 89700 |
| CCGCTGCACT | CCAGCCTGGG | TGACAGAACT | AGACTGTCTC | AAAACAAACC | AATCCAAACG | 89760 |
| AAAAGCAAAA | AATACCCTAA | CAGAAGCAAG | TTATCATCCT | TTCTTG TGTA | ACTATGGACG | 89820 |
| GCTCTGAAAA | ATGCCGTTTC | AAGTGTAAGC | TACGTTTTCT | GATTTGAGTG | TTTACTTGAC | 89880 |
| CTTGGCCTTA | TCGTGGCTCT | GTTATTTTGG | CAACAGGACG | GCCTGAATAT | TGGACAGGAC | 89940 |
| GCCTCCCTGA | GCAATAGTGA | CGTTGCCAG | CTGCTTGTTG | ACCTCCTCGT | CGTTTCGGAT | 90000 |
| GGCCAGCTGC | AGGTGGCGGG | GGATGATGCT | GCGGGTCTTG | TCACGTATGG | CGCTGCCCAC | 90060 |
| CAGTTCTAAG | ATCTCGGCGG | CCAGGTATTG | TAAGTACACT | GGCGCACCGG | CTCCGACCGG | 90120 |
| CTCAAAATAA | TTGCCCTTTC | GAAAAAGATG | ACGGACTCTG | CCCTATTGGG | AACTGCAAGC | 90180 |
| CCGGTAGCGA | CGAACAAGTT | TTTGCTTTAG | CTCCATTTTC | CACGTCCGCA | AATAGCGACC | 90240 |
| TATGAAAGCA | GCGGAAAAC | GTGAAAGACA | AGCAAGCTGG | AATGGCGCCT | GAACAAATCC | 90300 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-------|
| TTTTATACAA | ACTGCAAGGC | TGCAATAGGA | AGCTATCCTA | TTGGTCAATT | ATGTTTGGTG | 90360 |
| CTTTATCCAA | TAGAAAAAGA | TAACATAAAT | TCCATATTTG | CATAAACCCC | ACCCCTCAGT | 90420 |
| GAAACCGTGT | TTCTTTTGTG | CAATCAGAAG | TGAGGAATCT | TAAACCGTCA | TTTGAATCTC | 90480 |
| AGGACTATAA | ATACATGGGC | TCTGAACTGT | TCTCTGTACT | ACTCTGTAGT | GGAGAGTGTT | 90540 |
| AGTAGCTTTT | CTATTCTGTT | TAGGAATAGC | AATGCCTGAA | CCCTCTAAGT | CTGCTCCAGC | 90600 |
| CCCTAAAAAG | GGTTCCTAAG | AGGCTATCAC | TAAGGCGCAG | AAGAAGGATG | GTAAGAAGCG | 90660 |
| TAAGCGCAGC | CGCAAGGAGA | GCTATTCTAT | CTATGTGTAC | AAGGTTCTGA | AGCAGGTCCA | 90720 |
| CCCCGACACC | GGCATCTCAT | CCAAGGCCAT | GGGGATCATG | AATTCCTTCG | TCAACGACAT | 90780 |
| CTTCGAGCGC | ATCGCGGGCG | AGGCTTCTCG | CCTGGCTCAC | TACAATAAGC | GCTCGACCAT | 90840 |
| CACCTCCAGG | GAGATTCTGA | CGGCTGTGCG | CCTGCTGCTG | CCTGGGGAGC | TGGCTAAGCA | 90900 |
| TGCTGTGTCC | GAGGGCACTA | AGGCAGTTAC | CAAGTACACT | AGCTCTAAAT | AAGTGCTTAT | 90960 |
| GTAAGCACTT | CCAAACCCAA | AGGCTCTTTT | CAGAGCCACC | TACTTTGTCA | CAAGGAGAGC | 91020 |
| TATAACCACA | ATTTCTTAAG | GTGGTGCTGC | TGCTATTCTG | TTTCAGTTCT | AGAGGATCAA | 91080 |
| CTGGAATGTT | AGCGAAGACA | AGTTTTAGAG | CCAAGGTAA | CTTGGACGGG | GCCGTGCGCG | 91140 |
| GTGCCTCTTG | CCTTTAATCC | CGGCAATTTG | GGAGGCCGAG | GCGGGCGGAT | CACGAGGTCA | 91200 |
| GGAGATGGAG | ACCATCCTGC | TTAACACGAT | GAAACCCCGT | CTCTACTAAA | AATACAAAAT | 91260 |
| AATTAGCTGG | GCGTGATGGT | GGGCGCCTGT | AGTCCCAGCT | ACTCGGGAGG | CTGAGGCAGG | 91320 |
| AGAATGGCGT | GAACGCGGGA | GGCGGAGCTT | GCAGTGAGCC | GAGATCGCGC | CATGGCACTC | 91380 |
| CAGCCTGGGT | GACAGAGCGA | GACTCCGTCT | CAAAAAAAAA | AAAAAAAAAA | AATTAAAAAA | 91440 |
| ATATGAAGTT | TTGAAGCAGA | AATTATTTTG | TCGTATGTTT | TTTCATAAAT | TTTTTGCCCTG | 91500 |
| CCTGCCTTCT | TCCTTTGTGA | CAGAACTCCA | ACACTTACCC | AAAGGTAGCT | GTTGGGTCAG | 91560 |
| GGTTTCTGTA | CTATAGTCCC | TTCTGTGGTG | GCCAGAAATA | TGTTACAGGA | AAGAGGTCCC | 91620 |
| CATCCAGACC | CCAAGAGAGG | GTTCTTGGAT | CCCGCGCAAG | AAAGAGTTCA | GGGTGAGTCC | 91680 |
| GCAGTGCAAA | GTAATGCAA | GTTTACTAAG | AAAGTAAAGT | GGTGAAACGA | CAACTACTCC | 91740 |
| ATAGACGGAG | CAGGACATTC | CCGAAAGTAA | GAGGAGGAAG | GCATCCACCC | TAGGTACAAT | 91800 |
| ACTTGATAT | ATGGGGAGAT | GTGCTCTGCT | ACAAGTTTGT | GATAAAGGAT | TAATTTTCTT | 91860 |
| AGTTACTATA | TTTTGCAAGA | ATCAACATTA | TTATCTTTAA | ACAAAATTAA | GAATGCCTTT | 91920 |
| GTTCTCCAGA | TATAGGGATA | TCTGGACACT | CCTAAGTCTG | AGTCTGTTTA | GTAAACATTA | 91980 |
| TTTATTTGTT | CCCTTAACCG | TAAACATCTA | GAAGCTAGGA | ATGACTGACT | TTCTGGGAAT | 92040 |
| GCAGCCCAGA | AAGTCTCAGC | CTCATTTTCC | TAGCCCTCAC | TCAAAATGGA | GTTACTCTGG | 92100 |
| TTCAAGTAAC | TCTGACACTT | TTCTTCTCTT | TTTTTCTTCT | TTTTTCCTTC | CTTTATTTTT | 92160 |
| TATTTTTTAT | TTTTGAAATA | AGAAATCAAG | AATACTTGAT | GTTTCATCTA | AAACAATACC | 92220 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|-------|
| CATAATTGAT | AAGCCAAAAC | AAAAACCTAG | GTCTTCTAAC | TCAAAACTAG | GATGTTTTGC | 92280 |
| TGTCTCTGCT | GATACTCGGC | TGATCGTTAA | TAGGTAATTA | ACAAACAAGC | CTTGCTATGT | 92340 |
| CCCCCTCAGT | TTATTACCAT | TAGATCATAT | GCCTACTGTC | AATCATATTA | ATCCACAAC | 92400 |
| ATGCATTTCA | CAAAACTTGC | CATAAAAT | CACAGGTTTC | CCGCTTCCCT | CGAGTTTTCA | 92460 |
| TTTCCGAAGG | GTCCCATGTA | ATATAAACT | TATATTAAAT | ACATTGTAT | GCTTTTCTCT | 92520 |
| TGCTAATCTT | TTTTTTTGTT | TTTTGAGACT | GAGCCTTGCT | CTGTCACCCA | GGCTGGAGTG | 92580 |
| CAATGGCGCG | ATCTCGGCTC | ACTGCAACCT | CCGCTTCCCA | GGTTCAAGCG | ATTCTACTGC | 92640 |
| CTCGCCCTCC | CGAGTAGCTG | GGACCACAGA | TACGTGCCAC | CATGCCCCGC | TAATTTTTGT | 92700 |
| ATTTTATAGTA | GAGACAGGGT | TTCACCGTGT | TGGCCAGGAT | GTTCTCAATC | TCCTTACCTC | 92760 |
| GTGATCCGCC | CGCCTCGTCC | TGCCAAAGTG | CTCGGATTAC | AGACGTGAGC | CACTGCACCC | 92820 |
| GACCAATCTG | TCTTTTTGTA | GAGGGGCCTC | AAGCATGAAC | TACTGATGG | GTGAGAAAAA | 92880 |
| CAGAATTTTC | TTTTCCCCTA | CAATATAAAC | ATTAATTGTA | ATGTTATCAT | TCAGGACATT | 92940 |
| TTGGTGACCA | ATCTTACAGA | AATTTTATCT | TGTGCAAGTC | TATGCAAACC | AATATGTAAA | 93000 |
| TCTTCTATAA | GTGAGATTGT | ATTTCACTTT | TCTAGTATCC | TTTTAAATTA | ATAAAAGAGA | 93060 |
| TTCTAATGAT | TATTTTCATT | ACTGCATTTT | ATTGTAGGGA | AGTAGATAAT | TGCCCTTTAT | 93120 |
| TCACTGACCT | TCGCTTTTTA | AAAATTTAAA | CCATGTTACC | ATGAAAATGC | TTTTCAGTAT | 93180 |
| TTCTCTACAC | ACAAGATTGC | TGTAAGGGCA | AAAATAGAGA | TAGGAATCAT | GCATCCATTG | 93240 |
| ATATACATAT | TTTGATTTTT | AATACATGTT | ACCAAGTTGC | CTCCTGAAGG | TCTGTTTACA | 93300 |
| CTCTCACCAA | CAGGGTGTTT | TTTCCTGACT | TCCACAAATG | CTCTTGAACA | GTGGGTGTGT | 93360 |
| TAGTCTGTTT | AAATTGCCGA | CATGAACAAT | TAAATCTCAT | TGTTGTTTTT | ATTTTTAAGA | 93420 |
| CAATTATTGT | TTGAGACTGC | ACATTTTGAT | AATAACATTT | CTTCTATTAT | GGTTTGATTA | 93480 |
| CTCATGATTC | TTGCCCATTT | TCTTTTGCGA | TGTTGCTTCA | TGTACATTAT | TTTAAATAGA | 93540 |
| TAGCTCCATG | TATTAAAAGA | TTATTAAGTT | TGAGGGCTTA | TGATATGTCA | GTTACATTTT | 93600 |
| TAAGATTTTT | TTTTTTTTTT | TTTTTGAGAC | GGAGTTTCAC | ACTTGTTGCC | CAGGCTGGAG | 93660 |
| TGCAATGGTG | CGATCTCGGC | TCACCGCAAC | CTCCGCCTCC | AGGGTTCAAG | CAATTCTCCT | 93720 |
| GCCTCAGCCT | CCCCAGTAAT | TGGGACTACT | GGCAAGCGCC | ACCACGCCTG | GCTAATTTTG | 93780 |
| TATTTTTATT | AGAGATGAGG | TTTCTCCATG | TTGGTCAGAC | TGGTCTCGAA | CTGCCGACCT | 93840 |
| CAGGTGATCC | ACCCGCCTCG | GCCTCCCAA | GTGCTGGGAT | TACAGGTATG | AGCCACTGGG | 93900 |
| CCCGGCCACA | TTTCTAAATT | CTTTATAAGT | ATAAATTCAT | TCAATCTTCA | CCAAAACCTCA | 93960 |
| ATGAAGTGTG | AGTACTATTA | TTATCATTGT | TTTACAGATC | AAAACAAGTA | ATACAGTCAC | 94020 |
| TTACTGAGTT | CTATACACCT | GGTAATTTTT | TTGTTTCGTT | GTTCTATCAA | TTATTGGGGA | 94080 |
| AGGGGTGTTG | AAATCTCTAC | CTTTAAATCA | TGTATGTGTC | TATTTCTCCT | TTCGGTTCTA | 94140 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-------|
| TCAGGTTTTG | CTACACATAT | TTTGCAGTTC | TGTTATTTGG | TGCATATACA | TTTAGAATTG | 94200 |
| CTTGTTTTTC | GTATTGGATT | GACCCTGTTA | TCATTATGTA | ATATCCCTGT | CTGTTCCCTAG | 94260 |
| TAATTTTCTT | TGCTCTGAAA | TATACTTATC | TGATATATCA | TCCAAAAGAC | CACCAGGATG | 94320 |
| GCTAAAGAGT | AGAAAGGAGA | GATTTACTGG | CAATACTAAT | TTGCAAGCCA | GGAAGAGATG | 94380 |
| GTCCCAGAAC | CTGCCAAAAT | TACTCTCTCT | TTGGGGAGAA | GGAGCAGGTT | GGTTATTTTT | 94440 |
| ATGCCTCATA | GGCTATATAT | TACACAATAG | AGTCATACAT | ATTTAGCACG | TTTGGGGGGA | 94500 |
| CAGCTATATA | TATTATGAGG | GGTGCCAAGT | GCATTACAA | TGGATAAACA | CGTGTAATAT | 94560 |
| ACCTCCCATG | TTCACTTCGA | GGTTAAATTT | TGGTTAAAT | GAGGTAGAAT | TTAGGTCTTT | 94620 |
| ACATCACAAG | GTGAACTATA | GGAACAAAGT | TTACGTGCTG | CCTCTAGCAG | CTGGCTGAAA | 94680 |
| ATGGCTTAAG | GTCTACAATT | ACGTGTAAGA | ATAGAATGTG | TGTCAAGGCG | GTCCTCTGTC | 94740 |
| CAATCAGAGT | TGTAGTGGAC | TGGACTGTAA | ATCAGAGTTA | GGAGGGCTTC | TGATAGCTCC | 94800 |
| TATAGTTAAG | GAATTTAGCA | AGTGTGAGTT | TTTTGGTAGT | CTTTGGAATT | TAGGAATTTG | 94860 |
| CCATGCCAGC | CAAGCCATGA | ATGCTCTACC | AGTAGGTAAC | TTTGTTTGCT | TAATCTTAGA | 94920 |
| GTCTGTCTTA | GTTGGTATAG | GGGCATCTAT | TTTGGTCTTT | CAGATCCCAG | ATATTATTAA | 94980 |
| TACAGATACT | CTTGCAGTTT | TGGGCTGATG | TTTATATGGC | TTATCTTTTT | TGCAGCCTTT | 95040 |
| AATTTCAACC | TGCGTTATGT | TTATATTTGA | AGTGAGATTC | TTGCAGACAG | TGTACAGTTG | 95100 |
| TTGTTTTTTT | TTTTTTGAGA | TGGAATTTCA | CTCTTGTTGT | CCAGGCTGGG | GTGCAGTGGC | 95160 |
| ACAGTCTCAG | CTCACTGCAA | CCTCCGCCTC | CTGGGTTCAA | GGGATTCTCC | TGCCTCAGCC | 95220 |
| TCTTGAGCAG | CTGGGATTGC | AGCCATGCGC | CACCACACCC | GGCTAATTTT | TGTATTTTTTA | 95280 |
| GTAGAGACAG | GATTCACCAT | GTTGCCCAGG | CTGGTCTCGA | ACTCCTGACC | TCAAGTGATC | 95340 |
| CGCCAGCCTC | GGCCTACCAA | AGTGCTGGGA | TTACAGGTGT | GAGACCTCGC | GCCCAGCCAA | 95400 |
| ACTGTTTTTT | TATGGGTGTA | TTTATACCAC | ACACATTTAA | TGCAATTATT | GATATCTTAG | 95460 |
| GGCTTAAGTT | CATGAAGGGT | AGTGTGGGAA | CCATAGTCTC | TTGGCCCACT | AAATGTTTGC | 95520 |
| CAGAAATCAC | TGACAAGGCA | GATTGATTAA | TAGGTGAAAA | GGCATTTTAC | CTATTGTTTA | 95580 |
| ACGTGTCTAT | GTGGGAGCAT | TCAGAATTAA | TTACCTAACT | TCCCAATGAG | TTATAGATGC | 95640 |
| TTATATACCA | TTTTTAGATC | ACAGAAAGAA | TTGGGGCTTA | GATTCTGGTA | AAACAGGTAA | 95700 |
| TGGGAGGCAA | AAGAGGTTTG | GCTTGCAAAG | GTGGCCTTGT | TAGGTAGGTG | AAGCCTCCCT | 95760 |
| CAGAAAGAAC | AGATGGTAAA | TGTTTCTTTT | ATGATTTTTA | AGTGTGAGAC | TCTCAGTCTC | 95820 |
| TCCTGGATCT | GGGGAAGGT | ATAGAAAGGT | GAGGAGGCAT | GGCTGCATTA | ATGGAGATTC | 95880 |
| TCTACAGATG | TAAAATTTTT | CCCATTTAAG | GCAGCTTTGC | AAGCCCATTT | CTGCCTGCTG | 95940 |
| GCCAAGCAGC | AGCCATTTCA | AAATATGTCA | AAGAAATATA | TTTTGGGGTA | AAATATTTTG | 96000 |
| ATTTCCTTTA | GACTGGTGGC | CTTATAAGAA | AAGGAAGAGA | CACCTGAGCT | GACACACATA | 96060 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-------|
| CCCTTGCTCT | CTCAACATGT | TATGATGCAG | TAAGAAGGCC | CTCACCAGAT | ACTAATTCCA | 96120 |
| TGCCCTTAGC | TTCCCAGGTT | CTAGAACAGT | AGGAAATAAA | TTTCTTTTCT | TTAAAAGTTA | 96180 |
| GCCAGTCTGT | GGTATTCTGT | TATAGTATCA | CAAAATGGAC | TAAGTAACTA | TATTATGATC | 96240 |
| ATCTTACATG | ACTGATCCCT | CCTACATCAT | ACACATACAC | AGGCCACATT | TGGAACATTG | 96300 |
| TTAGAGGTTT | CTCTGCCCAG | TACAAATGTA | CTACAAATTA | TATATGTATT | TTTAAATTTT | 96360 |
| TGAGTATCTT | CAATAGTATA | TTTTTCGTAA | CTTTTGTAGT | CAAAATGTCA | TTATAACATG | 96420 |
| TATTCAATAT | GCATAATTAT | TAGTCAGATG | TTTTACATTC | TTTCTTCATA | CTAAGTGATA | 96480 |
| TGGTTTGGAT | ATTTGTCCCC | TCTAAATCTC | ATGTTGAAAT | GTAATCTCCA | ATGTTGGAAG | 96540 |
| TGAAGCCTGG | TGAAAGGTTT | TTGGATCGTG | AGGGTGAACC | CCTCATGAAG | CGCACTCTTC | 96600 |
| AGGGTAATCA | ATGGGTCTCT | ACTTTGAGTT | CACAAGAGAT | CTGGTTCTTT | AAAAGAGTGT | 96660 |
| GACACCTCCC | CCATCTCTCT | CGCTCAGCTC | TCACCATATG | ATATGCCTAC | TCCCTCTTCA | 96720 |
| CCTTCCACCA | TGATTGGAAG | TTTCCTGAGG | ACTTGCCAGT | AGCAGATGCC | TGCACCACAC | 96780 |
| CTCCTGTACA | GCCTGCACAA | CCGTGAGCCA | AAAAAATTA | CTTTTCTTTA | TAAATTAGTC | 96840 |
| AGTTTCAGGG | ATTCCCTTAT | AGTAATGCAA | GAACGAACTA | ACACACTAAG | TCTATTTTCAT | 96900 |
| ATTTACAGAA | TAGCTCAATC | TGAAGTACCC | TTTTTCAACT | TCACAGTAGC | TACTTGTTAGC | 96960 |
| TAGTGGGCAC | TGATTTGGAG | CGTGTTCAAG | GGTGAATTGT | ATTATGCAAT | TAACAGATTT | 97020 |
| TTTTTATTGT | TTTCGCAAAC | CACGAGGCAT | AGATTGTCTT | ACTTTCTCTG | CTCCTGGTGT | 97080 |
| TGGAGTTGTT | ATTGGGAAAC | AACCTATTTT | CCTCTTATAT | TTATATGGAA | TAAATAACCC | 97140 |
| CCAATATTTT | CCTCCCCAAT | ATCTGCCTTT | TGTATGTTTT | TTGAAGGCAA | GTGCCTAGAA | 97200 |
| TTTACTGTTT | TTGAAGCACT | TACTGAAAGG | ATTGCCATCA | AGTTGTTTTG | CTAATAGTAC | 97260 |
| ATGCCAGGCG | CTTGTTGGTT | TGCTTAATTC | AAGGTAACCT | GGATGAGAAG | AAGAGTTTTT | 97320 |
| CTCATCCATG | GCTCAGTGGA | GTATAGATTA | CTGATATTGT | GAATGGATGT | ACTCCTGCCT | 97380 |
| TCTAGTCTGA | GTTTTTGAAG | CTACCCTTAA | TCTTGGTTTT | AATTTTATCT | AGCCCTGTAC | 97440 |
| ATATCCAAGG | CTCTTTCCAA | AATGGTCTAC | GATTTGTTTA | GGAAGTTAGA | ATAGCTGTAC | 97500 |
| TTTCTGAACC | ACGGTTCCTG | ACATTTTCTG | GAATTCAAAC | ACATCCAGCA | TTTTATCGAA | 97560 |
| GTATTTATCC | TTCTACTTGG | GCTGGCTTCT | TCCTTGCCTT | CAGGTCTGAA | TTCAAATGAC | 97620 |
| ATTCTCCTGA | TGAAACTTTT | CATCCTTATT | TCTATTCTTT | TTTCTTATCC | CCTTTCTTTA | 97680 |
| TTTTTCTCCA | CAGCACTCAT | CACCTATCTC | TACATTTTCA | TTATGTATTT | ACCTTATTGT | 97740 |
| GCACCTCCCA | CTACAAGACA | AGTAGCACCG | TAAGGAAACA | GGTTGTCTGC | TTTTTCACTG | 97800 |
| CTATGCTCCC | TGCACCTAGA | ACACTCTCTG | GCACTTAGCA | GGTTTTCACT | AAATATATGC | 97860 |
| TGAACTAATA | ATGCTGGATA | TACATCTCCC | TCATGAATCT | TCTAAATCCT | TCTAATTTAC | 97920 |
| ATTGATCAAT | CTTCTTTTCC | ATGTGCTTTT | GTATGATTTA | TTGCTCAAAA | TCTTTATTTT | 97980 |

| | | | | | | |
|-------------|-------------|------------|------------|------------|-------------|-------|
| ATATGCAGAA | CGTGCACTGC | TATTTAATCT | TCATGTACGT | AAGTCCTCCC | TTCTCTGAGT | 98040 |
| ATAATCTCTT | CAGGGCACTA | TCTGAGATAA | CTTTTTAACA | TCTCCATCAT | GAATCTTGTA | 98100 |
| CCTTTTCAAA | GAAAATGAGC | CAGTGATTAC | TGATGTTTAC | GGCTATTGTT | GAGGGTGAAG | 98160 |
| ATCATTATAA | TTTTGAAAAG | GGAAGTTGAA | TATTGTGAAG | GGAAAGATAA | CACTAGAGTC | 98220 |
| AGAAGACTTG | GGAGAAGGCA | AAAAACAAAC | TAAAAATGAG | CACTTTTAGT | CTCCTGACAG | 98280 |
| TTTCTCTGAA | TCAAATCCAT | AGTTCTGTGA | CAGCGTTGGC | TTAGAAGCAG | ATTTTTTTTT | 98340 |
| TTTTTTTTTT | TGAAATGGAG | TTTCGCTCTT | GCCCAGGCTG | GAGTGCAGTG | GCACGATCTC | 98400 |
| GGCTCACTGC | AACCTCTGTC | TCCAGGGTTC | AAGCGATTCT | CCTGCTTCAG | CCTATGGAGT | 98460 |
| AGCTGGGATT | ACAGGCTCCC | ACAACCACGC | CCAGCTAATT | TTTTGTATTT | TTAGTGAAGA | 98520 |
| CTGGGGTTTC | ACCATGTTGG | CCAGGCTGGT | TACGAACTCC | TGTTCTCAAG | TGATCTGCCC | 98580 |
| GCCTTGGCCT | CCCAAAGTGT | TGGGATTACA | GGCATCAGCC | ACCGTGCCCA | GCCAGGAGCA | 98640 |
| GATTTTTTTA | CACTCATGTT | TCTTTTTCTT | TCTGTCTATC | TGTTTCAGTA | TAAGCAGACC | 98700 |
| ACAGATAGAA | GTAAGTAGATA | CCTCAGAAAT | TCCTGGAATA | ATTAATCCAC | GTTTCATCTGT | 98760 |
| ACTCCATCTG | CTCCTATCTC | ATGGAATATA | AAAGGAAAAA | CACCAAGATT | TCCCTAGGCA | 98820 |
| ATCTGTCTTG | ATTTTAGGTT | CCTCAACAGG | AGAGCCAGAC | AATGGCTGTA | ATAATATTGT | 98880 |
| CCCGGCCAAG | GAAAAACTTC | CCCTTTGCCC | TCCAAGGTT | TATGGAAAAT | TACTGGCAAA | 98940 |
| ACACAGATTA | ACTGGAGAAA | AGGCATATAT | ATTTATTTCA | TCACAATTTT | ACAGGAGATT | 99000 |
| TTAGAAATTA | GACTGAAAGA | TACAGGGGAA | ATTGCCCAT | TTTATGCTTA | GGTTCAACAA | 99060 |
| GATAAACAGC | TGTATAGGGT | ACGATCTAAT | GCTAACAGAC | TGAGTGGGGA | AGCCCCGCAA | 99120 |
| GGCTTGCTG | TCAAGATTCT | TCTTGACCTC | TCAGTGCAGC | ATTTCTTCCT | TCTGGTTATA | 99180 |
| GGACAAGACT | CTCTTTTAGA | ATGGGGGGTC | TTATGACCTA | CAGGCAAACA | AGGTAGGTTA | 99240 |
| GAGTAATACT | TTTAGGTTTT | ATGGCTGGTT | CTAGGGAAAA | GGAGTTCTGG | TTTGTATGGC | 99300 |
| CTACCTTGAG | GAGGAATTCT | GGTTTCTATG | GCTAGACTTT | GGGGAGAATG | GGACTTACAG | 99360 |
| ACAGGAAGGC | AGAAGGTGGT | CAGTGAAACA | CTTTTATAAT | CATAATCCCA | TTTTGAGTAT | 99420 |
| TTCTGTGTTA | TGGAATGTTT | GTTCTCTCAT | TTCTGAAAG | ATTCCAGAGA | CTCCTCATTC | 99480 |
| AGTGTGTGTA | AAAAGTTCAG | GAAATGCAAC | TCAAAAATGT | GCCACTTTGT | TACGCTGATT | 99540 |
| TCTTTGAACT | GAGGGCACCT | AGGAAACAGT | AAATTCAAGG | AAGGGCTTTC | GCTGAACTCT | 99600 |
| AATCAAAAAAT | TTGAAAATTA | AAAAAAAATT | CAAAAAGGAA | TTAGTTGTT | AAGATTCACT | 99660 |
| TCCCTGGGGA | ATCTCATCAA | CCAGAGAAGA | TAACTGTAT | CACAGGAGAG | GAGACTGGTG | 99720 |
| GTTAACACCA | TCTAAACAGA | CTTTGTCACA | GCTGTCACCT | ATTCTTTGAA | ACACCCATTT | 99780 |
| ATTTTTCTCC | AAAATCATAT | ACTCTCCCCT | AAGTTGCCTA | CATCCCCCTT | CTTTCTCCCT | 99840 |
| TATGAATCAA | GAGAGCTTAT | AAGCTTCTAC | AGTTCACTGG | GATTTGGGGT | ATTGCTTTTT | 99900 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|--------|
| CTTCCCTCCC | ACTCCCCCTC | CCCTTTTTTT | GTCTTTGAGA | CACAGTCTTC | TGGCTCTGTC | 99960 |
| GCCCACGCTG | GAGTGTGGTG | GCTCTATGTG | AACTCACTGC | AACCTCCTCC | TCTCGGGTTC | 100020 |
| AAGCGATCCT | CCCACCTCAG | CTTCTCGAGT | AACTGGAAC | ACAGGCGTGC | ACTACCAAGC | 100080 |
| CCGGCTTTTT | TTTTTCTTTT | TCTCCCCCGT | TTCTTTTTTG | GTTATTTTAC | TGGAGACAGG | 100140 |
| GTTTCTCCAT | GTTGTCCACG | CTGGTCTCGA | ACGCTGACC | CGCCGTCCTC | GGCCTCCCAA | 100200 |
| AGTGCTGGTA | TTACGGGCAT | GAGCCACTGC | GCCCGATTTG | AAGGACCTCT | TAAATATCTA | 100260 |
| TTTAGAAATT | GGTCGGAGTC | CACTCCTTTC | CAAAAACATG | AGTCACAATC | CGGGAAAAGC | 100320 |
| ACGAGCGGCT | GAAAGTCAAA | ATAACCAGAA | CAAAACCTCC | ACTCATGCTT | AAAAAAGGTA | 100380 |
| TTTTGACAAA | ATCCTAATT | GGCCAATTAT | TATTAGTATT | CAAGTCGAAG | GCTCGTCAAG | 100440 |
| CCAGACTGGG | GATTGGGTCA | AACATAAACC | TTACACCAGA | CGGAAGGATT | ACATGCAAAT | 100500 |
| GAAGGATGCA | GATTCTGATT | TCCCATTGGG | TATTTGACAT | TAGCCAATGG | GAGAATTCCT | 100560 |
| CACAGCCTAC | CTCCAGTCAG | TATAAATACT | TCTCTGCCTT | GCGTTCTAAT | GTAGTTTCAT | 100620 |
| TACATTTTCT | TGTGGCGATT | TTCCCTTATC | AGAAGTAGTT | ATGTCTGGTC | GCGGCAAACA | 100680 |
| AGGCGGTAAA | GCTCGCGCCA | AGGCTAAGAC | TCGGTCTTCT | CGTGCAGGTT | TGCAGTTTCC | 100740 |
| TGTGGGCCGA | GTGCACCGCC | TGCTCCGCAA | AGGCAACTAC | TCCGAGCGCG | TCGGGGCTGG | 100800 |
| CGCGCCGGTG | TATCTCGCGG | CGGTGCTTGA | GTACCTGACC | GCCGAGATCC | TGGAGCTGGC | 100860 |
| GGGCAATGCG | GCCCGCGACA | ACAAGAAGAC | CCGCATCATC | CCGCGCCACC | TGCAATTGGC | 100920 |
| CATCCGCAAT | GACGAGGAGC | TTAATAAACT | CTTGGGGCGT | GTGACCATCG | CGCAGGGTGG | 100980 |
| CGTTTTGCCT | AATATTCAGG | CGGTGCTGCT | GCCTAAGAAA | ACTGAGAGCC | ATCATAAGGC | 101040 |
| CAAGGGAAAAG | TGAAGAGTTA | ACGCTTCATG | CACTGCTGTT | TTTCTGTCAG | CAGACAAAAT | 101100 |
| CAGCCTAACA | GCAAAGGCTC | TTTTTCAGAGC | CACCTACGAC | TTCCATTAAA | TGAGCTGTTG | 101160 |
| TGCTTTGGAT | TATGCCGCCC | ATAAAGATGT | TTTTGAGGTG | TTTTTAATGG | CTTTGAGTGT | 101220 |
| GGCACTTTTA | GTAATTTGTC | CTGCAGAAAT | TAGATCCATA | GAAACCTCAG | GAATTCTAGG | 101280 |
| TATGTGGGAG | AAGTGCCATG | CAGCACAAAA | CATGTTTACA | GGGGTGATT | GCGTTAAGTT | 101340 |
| TCACACACAG | CAGTTACTAC | ATTTTAGAGG | AAGGAAATTA | TACCCATGAG | TGCATTCTTA | 101400 |
| ACTATCTTGA | ATGGAAGTGT | TAAAACCCGC | ATGCCCCACA | CAAGTTTGAA | TATGTCATAC | 101460 |
| CATTTGCTGT | AGCAATTAAT | GGCATAACA | ATTGAGAGCA | CACACATTAC | CACTGAACAT | 101520 |
| TTGAGTATGT | ATTTCCCAA | ATGAGCTTTT | TTCCAGTTTG | GGGATGTTTT | GCTTTGTTTT | 101580 |
| GGGTGGAGT | CTCCCTCTCG | CCCAAGCTGC | AGTGCAGCGG | CGTGATAACA | GCTCACTGTA | 101640 |
| ACCTCGAACT | CGGGCTCAAG | CGATCCTCTT | GACAGCCTTC | TGAGTAGCTG | GGATTACAGG | 101700 |
| CGAGAGCCGC | CACGCCCGGC | TAAGAGCATT | TTTCTAATTG | CCCACACTTC | TTATGCGACA | 101760 |
| CCCAGAAAAA | TACAATTTTA | AATAAAGCGC | ATATGCAAAT | TTCCCTAATC | GTCTCCAATA | 101820 |

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|--------|
| TTCTCTGATT | TCTTTTTTAT | ATTTTAACTA | GAAACAATTG | GAGGTTTCCG | CGTTGCTTTG | 101880 |
| TGTGGTTGTA | AATTTTAAGA | CTTCAGGAAA | CTTTTCCAGT | ACAAGACTTG | TCCACAGTGG | 101940 |
| ATATAGCAGC | TAAGGGGTTA | ACAAAATGAC | GTCAGAGTAG | CTACGGTAAT | GGGCAGGAGC | 102000 |
| CTCTCTTAAT | CTGCAACCAG | GCACAGAGAT | GGACCAATCC | AAGAAGGGCG | CGGGGATTTT | 102060 |
| TGAATTTTCT | TGGGTCCAAT | AGTTGGTGGT | CTGACTCTAT | AAAAGAAGAG | TAGCTCTTTC | 102120 |
| CTTTCCTCCA | CAGACGTCTC | TGCAGGCAAG | CTTTTCTGTG | GTTTTGCCAT | GGCTCGTACT | 102180 |
| AAACAGACAG | CTCGGAAATC | CACCGGCGGT | AAAGCGCCAC | GCAAGCAGCT | GGCTACCAAG | 102240 |
| GCTGCTCGCA | AGAGCGCGCC | GGCTACCGGC | GGCGTGAAAA | AGCCTCACCG | TTACCGCCCG | 102300 |
| GGCACTGTGG | CTCTGCGCGA | GATCCGCCGC | TACCAAAAGT | CGACCGAGTT | GCTGATTCGG | 102360 |
| AAGCTGCCGT | TCCAGCGCCT | GGTGCAGAGAA | ATCGCCCAAG | ACTTCAAGAC | CGATCTTCGC | 102420 |
| TTCCAGAGCT | CTGCGGTGAT | GGCGCTGCAG | GAGGCTTGTG | AGGCCTACTT | GGTAGGGCTC | 102480 |
| TTTGAGGACA | CAAACCTTTG | CGCCATCCAT | GCTAAGCGAG | TGACTATTAT | GCCCAAAGAC | 102540 |
| ATCCAGCTCG | CTCGCCGCAT | TCGCGGAGAA | AGAGCGTAAA | TGTAAAGTCA | CTTTTTCATC | 102600 |
| AGTCTTAAAA | CCCAAAGGCT | CTTTTCAGAG | CCACCCACTT | ATTCCAACGA | AAGTAGCTGT | 102660 |
| GATAATTTTT | TGTTGTCTTA | ACAGAACAAA | TTTCTAAGGA | CCCCCCCAGA | AAGCATTAGA | 102720 |
| CTATGGTCTT | AAAGTTGATT | AACAGAAATA | ACGGTTTGGT | CAGTCTTGCA | GTGTAGGTTA | 102780 |
| TTTCTGACCT | TATTAAGGTG | CTATTTGGAG | AGAAGCTGTG | TAAGTCCACT | ATCATTGAGG | 102840 |
| CCTCTAGCTT | GCTATGATTA | GCATTTGTTT | AAACAACTTT | GTAAGAGTAA | GGGAAAAATC | 102900 |
| TGGTAAGTAG | TTAACTGGCG | CTTACTAGGC | ATTTTTGCAA | AGCTTTGAAA | AGATTAGAAA | 102960 |
| ATTGTGTCTT | GCGAGTTCCA | GTGTCTTCCT | CAAAATGCTT | AGGAAGATTT | TCTCAGCTCA | 103020 |
| ATACATAGTC | CCCTAGGTTT | TCTCATATAT | TATATATATA | TATATATATA | TATATACTGT | 103080 |
| TAAATTCATT | TGGCTGTAA | CATTAACCTG | AAATTTATTC | TGGTGCAAAA | TGTGAGGCAG | 103140 |
| GGATCTAACT | GGCTCTCATT | TTATCCATAG | CTAGCTACCC | ACTTTAAATC | TGTCAGTCTG | 103200 |
| TCGACCAAGC | ATAATTTAAT | CCCTTATATA | TGAATTTTTA | TATGTGTGGC | TTTGCTTGTA | 103260 |
| AATAGTCTAT | CTGGTTGCAT | TGCTTTGTCT | CCTCTAGGAC | TATGCACCAT | GACATGCCAC | 103320 |
| ATTCTTTTTT | TCAGTACTTC | TTGCCTGTAG | TTATTAAAT | CTAGAATTTA | CAAGTTTTAA | 103380 |
| CCATTTTCTT | TCTGTTGATC | TTGCTTTTCG | GTTTTGGAGG | TTGGGGATTG | AGTACTGGAA | 103440 |
| GAAAATTTAG | AGGGATGGGA | ATACTGTACG | CAAACAAAAG | TAATATTTAC | TTTAAAATTT | 103500 |
| TTATATTTTG | TATTTTTTTA | TCATATAGCT | TTTACATCAC | ATTTTACAGA | CTAACTTTAG | 103560 |
| AACAACCACA | GAATGTCCAA | CATTAAAACT | ACTAATTCCA | AAGACCTTGC | CTCACATTCT | 103620 |
| TTTTTACAAT | AAATATTTTT | TACACCTAAC | ATTCCTTCTT | GGCCTACATC | TAGAATGTAA | 103680 |
| ACTGATGTAC | CATACTAAAA | TCGCCTGACC | AACTGTCAAC | AACAACAAAT | CACACACACA | 103740 |

| | | | | | | |
|------------|-------------|------------|-------------|-------------|------------|--------|
| AAAGATTAAA | TTTGAATTGC | ATCGTTTACT | TAAATTCATT | TGTGTTCCAG | CTTTTAATAA | 103800 |
| GGCAGTTTTT | GGTTTATAAA | GTAATATTTG | CATTTTAAAA | ATTATGAAAA | TGAATATGTC | 103860 |
| AGTTTGTTTT | ATGATTCGTT | TTTCTTGACT | CTTATACAAG | CGACTCTAAC | TGGCATAGAC | 103920 |
| ATTTGTTATC | CACAGACAGT | ATAGATATGT | TAGAGATGCC | AATGGACTTG | GTCTATGCCA | 103980 |
| AGGTGACTAC | TCACAAGCTC | TGGGCCCAGC | TGAAGGTCAA | GTATTTTTTT | TCCAGTTATA | 104040 |
| GATGTGCTGG | ATCTGATGTA | TAGCGCTTGA | CTTTTTATAT | TTTCTTTATC | TGTAGGAAAC | 104100 |
| AAATGTGTTG | GAGGTACTGG | GTCTGACGAA | TAGCATAAAA | GAATAAAGTT | ACATTACTGT | 104160 |
| CTGAGGATCA | GATGGACAGG | GGGTGGTAGC | TCAGTCCAGC | TATTTTCCAC | TCCCTCACTT | 104220 |
| ACATTCCTTG | CCCCCTCCTC | AACAGAACAA | GGATTCTGCT | GTAACCTCTC | ATTGACAGTT | 104280 |
| GATATTTAAA | AATTAACGAA | TGGATGAAAT | TCTCATTTGT | GAAAGAAAAT | TTATTGAGCA | 104340 |
| TTTTGTATTT | GTGAGTAGTG | CAAACATTTT | AATATTATAT | TAAGAATCTA | TTGTTTTGTA | 104400 |
| TTAGAGGAGT | AATTAAGGAG | AGATTGGAGA | CAAAAAGGGG | GTGTTGTTTG | CAGAATATAC | 104460 |
| CATCCAAAAA | TAGACCACTG | TGGGATCAGG | ATTCTTTTGA | GCTAAAGGCA | CTTCAAAAAC | 104520 |
| AGCATTCAAG | AAGGGAATTC | TTCTAAACTT | TTCTTTCTGA | AAACAGGAGA | TAAAAGTTCC | 104580 |
| AATGTGAAAA | ATGCTCTGCT | TGTACCAGGT | GAAAAGACAT | ATTCTTCAGC | CCAGAGGCAT | 104640 |
| AGATGAGATA | ATTCTGCACA | AACACAGCAG | GGAGTCATAG | CCGAGAGACT | TCTATACACA | 104700 |
| AACAAACCTT | GTTAAAATAA | TCATATATTC | CTTTAATCTC | CTCATATGGT | TTACTTTCCC | 104760 |
| ACAATTGCCT | CTCTTTAACT | TAATGTGAAA | GCATTTAGCT | TTTGCCATTT | CTTTGGGGCT | 104820 |
| TCACTTTTTT | ATGAGGGTTC | TCCTGTCCCA | TAAAATTTAC | ATTAAATACA | TTTGTATGCT | 104880 |
| TTCATTCTGC | TAATCTGTTT | TATGGCAAAT | GAATTATCAG | GTCCAGCTGG | AGACCCTAAC | 104940 |
| AGAGTAGAGG | TAAAATTTTG | CCTCCCTACA | AGATAGAGAT | TGTGTGCATT | AAATGTTGTT | 105000 |
| TGTTCCCAGT | TGTTTCAGTTT | GTCAGGCCTC | TGAGCCGAAG | CTAAGCCATC | ATATCCCCTG | 105060 |
| TGAACTGCAC | GTATGCCTCT | AGATGGCCTG | AAGTAACTGA | AGAAACACAA | AAGAAGTGAA | 105120 |
| AATGCCCTGT | TCCTGCCTTA | ACTGATGACA | TTACCTTGTTG | AAATTCCTTC | TCCTGGCTCA | 105180 |
| TCCTGACTCA | AAAGCTCCCC | CACTGAGCAC | CTTGTGACCC | CCACCCCTGC | CAGCCAGAGA | 105240 |
| ACAACCCCTT | TTGACTGTAA | TTTTCCACTA | TCTACCCAAA | TCTTATAAAA | CGGACCCACC | 105300 |
| CCATCTCCCT | TCGCTGACTC | TTTTCGGACT | CAGCCCGCCT | GCACCCAGGT | AGAATAAACA | 105360 |
| GCCTTGTTGC | TCACACAAAC | CCTGTTTGAT | GGTCTCTTCA | CACGGACGCG | CCTGAAACAG | 105420 |
| TTTAACAGGG | TTTTTCCTGC | CCAGTCACAA | CAAAGTGATG | TTATGCTGCA | GGCTGAAGTT | 105480 |
| TACAGCTAAT | GCTGTTGAAG | TCTAAAATCA | GTTTTGGTTT | GTTAGATTTG | GGTGAGATGG | 105540 |
| CTAAGATTCT | CAGAGAAAGA | AGTCAAGTTT | GGGGTGCATT | TTTCAGACTT | AAAAATTTAG | 105600 |
| CAGTAGCCCT | TGCAGTTTTT | CCAATAGAAG | TGATTTAAGA | ATGTTTTTCAG | GAAATTTAAA | 105660 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|--------|
| ACAACAGTGA | GAAGCGTGTA | TGGAGAGTTG | AACTACACTC | CAGACTTGGC | TATAGGAAAG | 105720 |
| CACGAATGCT | GCTATTGTAT | TGCACCTTGG | AAAAGAGAAC | AAAGGAATAT | TTTCGGACAA | 105780 |
| TTTTAACATG | TCACATATGA | AAAGCTAAAC | GGAATCTGTC | AACACCTTGT | ACGTTATTAC | 105840 |
| AGGCTGTGAT | TTTAAAAAAA | CAATCCTTAC | TAATACATAC | ATAGTTGCTG | CTAGCAATAT | 105900 |
| AGTGTGTGGA | GTAAAAACAC | GAAAATGAGA | GTTCAGGACA | ATATCCCAAC | TCTGAGCAGA | 105960 |
| TTTTTTTAAAG | TAGTAACATC | TAAAATTAAA | CCATATTATG | TAATATTTAT | TTCTTTTCCA | 106020 |
| CAGTCTCTTC | TCATGCCTCG | TTCACATTAG | CTAATTAAAA | GTCCCCTGAG | TATCATCATA | 106080 |
| ACCCGATTTA | CAGATGAAGG | CACGGTTGCA | ATGAGCTATC | ACCCTCTTCT | GAATGAGACA | 106140 |
| GTACAGTGTG | AAGGATAGCA | AAACTCCACT | CCCATCCTCT | TAGGGCTCTG | GCTGGACCAG | 106200 |
| CAAATTAAAT | TAATGTAAAA | TGGATTAACA | GGAGAAAGGT | ATATGCATTT | ATTTAACACA | 106260 |
| GGTTTTACGT | GACACAGGTG | CTCTCATAAG | GTAATGAAAG | CCCAAAAAAA | GCAGTTAGCT | 106320 |
| ACTTATATAA | TGAATTGGAC | AATTAGTAAA | ATGTAAAAAT | GCGCTAAAGC | AAAGGGATTT | 106380 |
| AGGCTAGAAT | ATATAACTGT | GTAGAGAAGC | GCCCAGCAAG | GGCTAGTGCA | AGGTTTGTAC | 106440 |
| AGAATTCTCT | TGGCCTCAGC | CTCCTATCCT | TGAGAAGAAT | GTTGCTTTTT | TTAAACTACA | 106500 |
| GTGAGAACAT | CTTTCATATG | AGAATTTTAC | CTACTGCTTC | TAAGAAACAG | GTCAGCTTTC | 106560 |
| AAGAAAACAT | AAGGCCAGAG | TGATCTTTTC | ACGCCTGCTC | TTTTAAGTAC | CTTTGAATAG | 106620 |
| TCAATATGTC | TTCAAGCACT | TGAAAGACTT | AAAAAGTTTA | CCACTCCGGC | ATATTAGTGA | 106680 |
| AAGCCCTTAA | TATAAGCCCT | TATTAAAAAT | CTCAGTCGAG | GGTATAAATT | CAGATTCAAA | 106740 |
| TAGTAGTGTC | GTAAACGGGA | GGGAAAAACT | AAAGGGATTA | AAAAGTGAAA | CTATTGTGTT | 106800 |
| CTCCCTCGCA | GTCCTTAGGT | CACTGCCCCCT | CGAGGGGCGG | AGCAAAAAGT | GAGGCAGCAA | 106860 |
| CGCCTCCTTA | TCCTCGCTCC | CGCTTTTCAGT | TCTCAATAAG | GTCCGATGTT | CGTGTATAAA | 106920 |
| TGCTCGTGGC | TTGCTTTCTT | TTGCGGTACC | TGGTTTTTGT | TGTCAGCTGG | TTAGACATGT | 106980 |
| CTGGTCGCGG | CAAAGGCGGT | AAAGGTTTGG | GTAAGGGAGG | TGCCAAGCGT | CACCGAAAAG | 107040 |
| TGCTGCGGGA | TAACATCCAA | GGCATCACCA | AACCGGCCAT | TCGGCGCCTT | GCTAGGCGTG | 107100 |
| GTGGGGTTAA | GCGAATTTCC | GGTTTGATTT | ATGAGGAGAC | TCGTGGCGTT | CTCAAGGTGT | 107160 |
| TTCTGGAGAA | CGTGATCCGG | GACGCCGTGA | CCTACACGGA | GCACGCCAAG | CGCAAGACTG | 107220 |
| TCACTGCCAT | GGATGTGGTT | TACGCGCTCA | AGCGTCAAGG | ACGCACTCTG | TACGGCTTCG | 107280 |
| GCGGTTAATC | TTTTCGTCAG | TTTTCTTCCA | ATGGCCCTTT | TCAGGGCCGC | CCACTCCCTC | 107340 |
| TCAGAAAGAG | CTGTGATTGT | ATTCTTTTCG | ATGGTAACAT | CTCAATGGCT | TTACTCGGCT | 107400 |
| ATTCTGCCTA | GTATGTAGAA | CTATTATAAA | CCAGTTGGGA | GAGACCAGGT | TGTTTGGTCT | 107460 |
| GAGTGGCTGC | TAAAGCAGAA | ATCAGCTAAG | TAAACGAGGT | CTCCGAGATA | AGTGAGCTAT | 107520 |
| AAACTTCAAT | GCTATAGTTT | TGACATGTCA | AGCAACTTAA | CGTGCAGCGC | GAGTCCGATA | 107580 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|-------------|--------|
| AATGAGTAGC | TCAGCTTTTT | AGTTTTAAAA | ACGAGTTGTG | CGTTATTTGT | ACGAGAGCCT | 107640 |
| AAGATGCTAG | CTGCCTGGAA | CTGAGTAGGT | GGATTAAAT | GGGTGTCAGG | TCTGTTTTCC | 107700 |
| CAGGCGTATC | TGACTTAACG | TCAGCAAAAG | CTGTACTTTT | AGCTTCCCTG | GTAACACCTG | 107760 |
| CCGTCCTTAA | CCGCCCCCTG | CCGGTAGCGC | CAGAAGCCTT | TACTTCCATT | TCTAGTTGAG | 107820 |
| CTTGCGCTCC | TGCTGAGTGA | CGTCACCTCC | CCCTTCTCTG | GAGTAGGACT | GGCGGTTAAA | 107880 |
| GCTGCTTTGC | TATTTTCAGT | CCTCAGGCTG | GAGGCTCCCC | TAAGCAGGCT | GCCTACGCAG | 107940 |
| TTCTGTAAAT | CCCACCTAGT | AGACTAAGGG | AGTCTGTTTT | ATAAATAAGG | ACTCAAATTT | 108000 |
| CTTCTGACTC | CGAGGTCCGT | GGCAGCAGCT | ATAAGATGGA | AGCCCCCTCT | GATGTAAGAT | 108060 |
| TCTCAGATGA | CTTGCATCTT | CACTGTACCT | GTCAACCCAA | TAGTCTTCTA | TTCTGCCTT | 108120 |
| AAATTGTAAA | TTCCAAAAC | GATTTAATTG | TGAAAGTTTC | AAACTGTACG | ACCTAGGAAG | 108180 |
| TGTCAAAGTT | AGGTGACCAG | ATTTTTAGAA | GTCAGCCAAA | TATTCAGCAT | CTTTGATTTA | 108240 |
| GTAACAAATA | TATTGATGGC | TACTTCAGCA | AAAAAATCA | ACTTTGTTTT | CTGGTTACTT | 108300 |
| TGCTAACAAAG | CTTCTCCTGA | CAGGAGGATA | TAGTGAATAG | GCAGTTGAAT | AAGTGAGTTC | 108360 |
| GGGTGAGAGG | TCTGAGCTGG | AGATAAAAAAT | GTGTGAGTCA | TCAGCAGATA | AATAAATGCT | 108420 |
| GAGACCAGAT | GAGATGGCTA | AAAACGTAAA | CATAATGTAG | TGCAGCATTG | TTTGTAAATAG | 108480 |
| TAAATGAGTG | GCAACTGTAA | AGTTTTCATC | AGAAAGGACT | AGAGTGATCT | ATACATCCAT | 108540 |
| AAAATAGAGT | ATTTCTCTAC | ACAGCCCTAC | TAAAGAATGA | GAAAGCTGTA | CTCCACTACA | 108600 |
| TACTCTGGTG | TACTCTGGCT | CAGTTCTTGG | ACTCCTCTTT | TCTTGGCTAA | CTCAACTGGC | 108660 |
| CTCACCCTT | ACATGCTCTG | TGCTCTGTCA | AATAGTTTGT | TCAACAGAAC | ACCACGGCCT | 108720 |
| AGCTGTAAGT | GCCACGTAA | CTTCTAGCAA | TGCCAAAGCC | TGTGATAGTG | GCAGCTTCGG | 108780 |
| GCTGTTTCTC | ATTCCCGGGA | TGCCTAACCA | CCTCTCCAAA | TTCTATCAGT | TTGCTTCCAC | 108840 |
| CCACTTCAAG | CTTCAGAACG | AAACATAGAG | CTTAAGAAAT | ATAGGCCCGG | CAAGGTGGCT | 108900 |
| CACGCCTGTA | ATCCCGGCAC | TTTGAAAGC | TGAGCCTGGT | GGATCACCTG | GGGTCAGGGG | 108960 |
| TTGAGACCA | GCCTGGCCAA | TATTGTGAAA | CCCCGTCTCT | ACTAAAAAAA | AAAAAAAAT | 109020 |
| TAGCTGGGCA | TGGTTGCGGG | CGACTGTAAT | CCAAGCTACT | CGGGAGGGTG | AGACAGGAGA | 109080 |
| ATAGCTTGAA | CTCGGGAGGC | AGAAGTTGCA | GTGAGTTGAG | ATCGCGCTAT | TACACTTAGG | 109140 |
| CCTGGGAGAC | AAGAGTGAAA | CTGTGTCTCT | AAATAAGTGT | TTGCAATTAT | AAACCATCTC | 109200 |
| CCTGACCTTA | AATCTCTAGA | CTCATATACA | ACTGCATATT | TGATGTATCT | AATTGAATAA | 109260 |
| TGGGCATCTC | GAACTTGTCC | AAAATATGTT | TATACGTAAA | CACCAAGTCT | GTTCTTCCTC | 109320 |
| TGATATTTGT | CATGTCAATC | AATAGAACTC | CATTCTTCAA | GCAGCTTGGG | CCAGGAATTG | 109380 |
| TGCAATATTG | TTTGTCCTGA | GCTTCTTACA | ACTTTCACCC | AATGCAGTCA | GCTCTGTTGA | 109440 |
| AAATCAATCA | GAATACCTTT | CATTGTTTTT | TTTGCTGCTT | CTCTAGGAGC | AAGCTGCCAT | 109500 |

| | | | | | | |
|------------|-------------|------------|-------------|------------|------------|--------|
| GGCGGTTTGT | CTGAATGACC | ACAGTGACCC | CAAACCTGGTC | TTTGTTTTCA | CTTTTAATCC | 109560 |
| CCCTGTCATA | CAGTTTTTTC | TCTATCCAGC | ATCAACAGTG | ATCCTTTTTG | AAGGTATTAT | 109620 |
| GTCCACTGTC | TGCTGAAAAG | ATTCCACTGG | CTTTCCATCA | CCTTCATAAT | AAAAACCAGC | 109680 |
| ATCCTTATCA | TAGCCTACAA | GTAAGATGAC | CAACCATTAC | AGTTTGCCTG | ACTCTCAGGG | 109740 |
| GTTTCTCAGG | GTGTAAGACT | TACAGTGCTG | AAACTTAGAA | AGTTCCAAGC | AAACTAGGAT | 109800 |
| GAGCTGCTCA | ACCTACTAGA | TCTGTACTCT | GGCTACCCTC | TGACCTCATT | CTCTTCGCAG | 109860 |
| TTCTTTCTCT | TCACTGACCT | TGCTGTTTCT | GGAATGGACC | AAGCATTTCC | AGCATCAGCA | 109920 |
| CCTTTATATC | TATTCTTTCT | CCCTAGAAGG | GTCTTGTCCT | GGATATCTGA | ATGGCTCTAG | 109980 |
| ATCTCATTTT | ATTCAAGCCT | CTCCTCAAAT | ACCAACCTTA | CGAAAGAGAC | CTCCCATAAT | 110040 |
| CATCCCCTGT | AAAATAAGCT | TTTCTGCTCA | TTTAGCATAT | ATATATATAG | TTGACTATCC | 110100 |
| TCAATAGCAT | ATATATATAA | CATTTCCCCA | CCTAGAATTA | TATATGTAAT | AATATATTTA | 110160 |
| ACAAAAAATA | CATATAACTA | GATATATTTT | ATTTTGTGTT | TGTTCTCTCT | CCCCCAACTG | 110220 |
| GAATATATTT | TTTGAAGGTA | GGGACTTTGT | TTTGTCCAG | AAGTATCCCT | AGCACCTTGA | 110280 |
| ACAGGGCTGA | CGTTTAAACAG | GTAGTTTATG | GAGGTTTGTT | GAATGAAAGG | ATGTGTGAAT | 110340 |
| TTTCTATGTA | AGTCTCCAGG | CTCTCCACTA | AGCCCACCAG | AATGCTAACA | CAATCAATTC | 110400 |
| CCCATCTCAT | TCCTTGACCT | GCCACTGCCT | GAAGCAATCA | GCGTGCAGTT | TCTCTTTAGA | 110460 |
| AAATCTGGGG | GATAGTCTAG | GGGTTGCAAA | TTAAGCAACA | TTATCTTTGT | TCTGAACAAG | 110520 |
| GACTGCATGA | GTGTTAGGAC | TGAAGAAGGC | CCAAGGTGGT | GGTGGGTATG | CCTAAGATGA | 110580 |
| GTATGACATA | TCAGCAATGC | TATGAACATA | GCAATGCTAT | GAAAGGCCAG | GCAAAACGTA | 110640 |
| ACAGGAGCTA | GTCGTGGCTT | ATTGTTACAA | CGACTATACC | TCCCATATGG | GTAATCGATA | 110700 |
| TCCACACACC | CCTCTACATT | GACTCTGGAA | TTCAGGAAAG | GGAATTAAAA | TTTTCTAACT | 110760 |
| TATGTACCCC | AATGATTTCA | ACAATATCTG | GCAATGAGA | TCAATAAATA | TCTTTAAAT | 110820 |
| ACCAACTAAG | AAAGACATAA | AATGACCCAC | CCTCCATACC | AGGCTCATTT | TTGCTCCTCT | 110880 |
| GATTCTTGAA | ACTATCCAGA | ATGCAGCTAT | GAATTCTCTC | CATTGTCAGT | TTTAAATTAA | 110940 |
| GCCAAGCTGG | GTAATTGTGT | AATTCCTCAA | GAAATCCTGG | ATGAAACTG | TCAGGTGGAA | 111000 |
| AACAGGACCT | CAAAATAAAG | AGACATCCAT | CACTGAAGCT | AACATCGTGA | GGCTGAAATC | 111060 |
| AGTCCTATAA | CAATGGTACC | AAAAAGAGCA | CAATGAGAGG | CATTTGTGAA | TATTTACTCA | 111120 |
| GATGAGAGTA | AGATATTTCC | CTATCAGCTA | ACCTGAAGTT | CACATCCCTT | TTCCAGCTGA | 111180 |
| GTTCTGAAGC | TAGATGTACT | TAAGTGAAC | ACATAACTGC | ATCAGGAACA | TCCTTTAAAA | 111240 |
| CTATGGCTAC | CATGGCTTGA | CTGGACAAAC | CCCAGGCTTC | CAGGTTTAGC | ACAGGTGGCC | 111300 |
| CTTCACAGAC | CAACATTGCC | TATGCTACCA | ACCTCATGTC | CTACCACCCT | GCTTGCATCA | 111360 |
| TTTCTCTCTC | TGCATATATA | AAAATATATG | TGTATGTATA | TAATCAGCTT | TATTGATATT | 111420 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|--------|
| TAATGTACCA | CAAAATTTGC | CCACTTTAGG | TACAGTTCAA | TGAATTTTAC | CGTGTTTTCT | 111480 |
| TAGTTGTACA | ACCATCATCA | CAATTTAATT | TCGGAATATT | TCTATCACCC | AAATTTCCAT | 111540 |
| TTCTGCGTAA | AGGGGGAAAA | AAAAAGGTTA | ACTGCTGAAG | GCCGCGGTAA | CACTGAAAAA | 111600 |
| GGTGCCTTTT | CTCTCTAAAA | CAGATTTTAA | TCTCCCCTGA | ATTTAGTGTC | CTGGGTATTC | 111660 |
| CAGGAGTCTG | AATAGGGTTT | CAATTTTCAG | GGTCTTTTTA | ATAGAGTAAA | ACTGTATTGG | 111720 |
| TGGCGATAAA | TTTAGTATTG | CTCTCAGTAC | ATGATTGAGG | GATACTTAAA | TGTCTCTGTG | 111780 |
| ATTTTATTTC | ATAATCGCTA | AAAGATGGTT | TTTTTTTTTC | CTAAAACAGG | GTTTTTGTTC | 111840 |
| TTTCTCAATA | AGCTTCTTAG | CTTCCCCTCC | GGCTCCCTGG | CTTGCCTCAG | GAAATATTAG | 111900 |
| CTCATCAGTT | CTGATTGGTT | GACAGCTACG | AATGGCCCTC | ATTGATTGGG | CAGCGCTTCT | 111960 |
| TTGTCCCTTG | GAAACTAATA | CAAATTTTAA | ACACTACTTT | TTTCCACTC | TTTCTTCAGA | 112020 |
| GTTGGAATAT | CGTTGCTCCC | CTACCCATAT | GTAGTGAGTG | GAGGGCAAAC | TTGGAGTTCC | 112080 |
| CCTAATCTTT | CCTTTTTTAGG | ATGTCAGCTC | AGTATCATTC | ATCTTAATTA | CACATTGAGC | 112140 |
| TTCTTGACTT | AATGGATACA | GCTCTTCTTT | TGTTTAGTTG | GGCGGCCCTG | AAAAGGGCCT | 112200 |
| TTGGTTCAGA | AATGCAAGCT | GTGGAGAAAT | CAGCAACCTT | AACCGCCAAA | GCCATAAAGG | 112260 |
| GTGCGTCCCT | GGCGCTTAAG | CGCGTAGACC | ACGTCCATGG | CAGTGACTGT | CTTGCGCTTG | 112320 |
| GCGTGCTCCG | TATAGGTGAC | AGCGTCACGG | ATCACGTTCT | CCAAAAACAC | CTTGAGCACC | 112380 |
| CCGCGAGTCT | CCTCGTAGAT | CAGACCAGAG | ATCCGCTTCA | CACCGCCACG | CCGGGCCAGA | 112440 |
| CGCCGATG | CCGGCTTGGT | GATGCCCTGG | ATGTTGTCAC | GCAACACCTT | GCGGTGGCGC | 112500 |
| TTGGCACCCC | CCTTACCCAA | ACCCTTCCCG | CCCTTACCAC | GTCCAGACAT | GACTTCCCAA | 112560 |
| GAAGTGAACC | AAGAGCAAGT | GAGAGAATAG | GAAACCGATC | TTTATATATC | TACGTTACCC | 112620 |
| CTGCCCCCAC | CTCCAGCGGA | CACTGAGACT | GAAAAGCGCG | CAGGCGGGAA | ATGTGACGCC | 112680 |
| TACAGTCCGC | TCCTTTAACC | CCTCCTCCAA | GCCCCAGGAA | ATGGCGGGAG | CAGCGATTGG | 112740 |
| GGGAGGGTGG | GGAGATGAGG | GTGGGACCAA | GCAGGCTTGA | CCAATGGCCT | TTATTTTCTT | 112800 |
| AACAGAGCTA | CAGGCTTTGA | GGAAGTGGGT | TAAGAATTAA | ATGTAAACCC | ATTCTGACTC | 112860 |
| CAGAATTATT | TTAAGTCGAA | CTTTTTTTTT | AACCGAATCT | CTCTGTCGCC | CAGACTGGAG | 112920 |
| TACATTAGAG | CCATCTCGAT | TCAGTGAAC | CTCTGCCTCT | CAGGTTCAAG | TGTTTCTCCT | 112980 |
| GCCTCAGCCT | TCAGAGTGTA | GCTGGGATTA | CAAGCGCTCG | CCGTCGCGCC | CGGCGTGTTT | 113040 |
| TTGTATTTTT | CGTAGAGACG | GGATTGCGCC | ATGTTGGCCA | GGCTGATCCC | GAACTCCTGA | 113100 |
| TTTCTGGTAA | TCCGCCC GCC | TCAGCCTCTC | AAAGTGCTTG | AATTACAGGC | GTGAGTCACC | 113160 |
| GCGACCGGCC | GAAATCGATT | GGTTTTGAAG | CCTTCAGTAG | CATTAAAACG | AAAAGTGCTC | 113220 |
| CCAATGCATT | CCCTTTTGTC | TTAAATTGGT | TTCTTACAGC | TACTTTACTT | GAAAAGGTGG | 113280 |
| TGGCTCTGAA | AAGAGCCTTT | GCTTGACC | TCAGAGAGAC | CACAGTAATC | ACGCCCTCTC | 113340 |

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|--------|
| TCCGCGGATG | CGGCGGGCGA | GCTGGATGTC | CTTGGGCATG | ATAGTGACGC | GCTTGGCGTG | 113400 |
| GATGGCGCAC | AGGTTAGTGT | CCTCAAATAG | CCCTACCAAG | TAGGCCTCGC | ACGCCTCCTG | 113460 |
| CAGAGCCATC | ACAGCGGAGC | TCTGGAAACG | CAGGTCTGTT | TTAAAGTCCT | GCGCAATCTC | 113520 |
| GCGCACCAGG | CGCTGGAAAG | GTAGTTTACG | AATAAGCAGT | TCAGTGGACT | TCTGATAACG | 113580 |
| GCGGATCTCG | CGCAGAGCCA | CGGTGCCCCG | CCGGTAGCGG | TGGGGCTTTT | TCACGCCGCC | 113640 |
| GGTGGCCGGA | GCGCTTTTGC | GGGCTGCCTT | AGTGGCCAAC | TGTTTGCGTG | GCGCCTTGCC | 113700 |
| ACCAGTAGAC | TTCCGAGCAG | TTTGCTTAGT | GCGAGCCATG | ACGGAAAAAC | AGCACAGCGG | 113760 |
| AACACCCAAC | ACTAGCGCAA | ATACGCCCCAT | GAGCTGCTCT | ATTTATAGTG | TGTAAAGTGC | 113820 |
| AGTGATTGGA | TGATAGAAGA | CGCTAAATAT | GACGTTACAC | ACTCTGATTG | GTCTATCTTT | 113880 |
| AAGCCAGCAA | CAATCGTGCA | GTTTCACCGG | CTACTATATT | CTATTCCAAC | TCTACAGATG | 113940 |
| ATTATTTAAG | TGGTATTTTA | TTACTACTAT | TATTTTATTT | TACTTTTGCT | TTGTTCCCCA | 114000 |
| AGCTGGTCTT | AAACTTGGGC | TCAAAGGATC | TTCCCGCCTC | AGCATCCAGA | GTAGCTGGGA | 114060 |
| TTACAGGGGA | GCCCCACTGC | GCCGGCTTGG | ACTTTAATTT | TTTAAACTTG | TCCTCTTCTA | 114120 |
| CATCTGGTTT | TCATAACCTG | AAGGCTGTGT | TTATTTTCCA | TAAAACAAGG | CATTGATTCC | 114180 |
| AAAGGTATTA | TAATTCCCCA | ATTCCGTATA | ACCTTCAGCT | CTTTAGGAAA | AAAAAAAAAA | 114240 |
| AAAAAAAAAA | GAGGGAATAC | TGCTCACCTC | CTCTCCGGAA | ATGTACCCTT | TACGGGAATT | 114300 |
| TCTGAAACCT | TTCACAAGAA | TTGGATTCTT | TTGTAATGCT | TTAATTGACT | TAGGAGTGTT | 114360 |
| ATTGAAATCT | ACAAAGCATC | TCAAACATAG | TAGGATTACA | CTATTACTCA | GAAACATTTT | 114420 |
| CTATGAGACG | TCTTTCTCTT | GATTATGCTC | TTTGAATCCT | AAACTTGCAG | CGTTCTGCAG | 114480 |
| CTTTTGTTTT | CTAAAGCCTA | GGTGTACTCT | GCCAGTCACA | AAATGGCGTT | TCTCCAGCAC | 114540 |
| TGCCGCCAGG | TACCACCAGC | TGGGAGTTGT | TCCTCTTGCG | GAGCAGGAGG | TGGACTTGGC | 114600 |
| CCAAGAGAAA | CTGGATAGTG | GTTTCGCAAG | AACATAATTT | AGCATTGCCA | AGAGCTAATG | 114660 |
| CAATCATTTT | GAAAATCTCA | AAACACTGAA | AAGTGGATTG | TGACCTTTTT | AAATTCACAA | 114720 |
| GAGACAGGCC | ACATTCTATC | TTTTGATTGG | TTTAGGCTAT | TTTCTTGAAC | AGCCATTTAG | 114780 |
| AAAGCAGATC | TATCATCCTT | CATTTGCATG | GAGCGTTCCC | ATTTTATTTG | AAACCAGTTT | 114840 |
| AACCCAATAG | AAAAAAGGGA | GGCAGAACCC | ATTATTTAAA | GTGGAAACTC | CTGAATCAGA | 114900 |
| TAATTAGGAG | TATTTCCTTT | TCAAAAGTTG | CGTTTTTTCA | GATACCTCGC | TTATTACACT | 114960 |
| AAGAAAGGTT | TATATCTTTC | ACAAAGGGTT | TACTTACAAA | AATCTTCCAA | TTTTGTATAC | 115020 |
| CTGTGTTTCA | TAACTGACTA | GCCGTCAAAC | CAAGATGTAG | AGTTTCCAAC | CGTTATTTTC | 115080 |
| CAAATTTTTA | GAAATTACGT | GAAATATTTG | AATGCATGCC | TTCTCAATAA | AATGGGACGT | 115140 |
| AGGAAGCACT | GGTGCAGAAG | ATGGGTACAA | TACTTATCTG | GGACCACTCC | ATTATTTGGT | 115200 |
| TGGCACGTTG | TTTGAACAAA | AAGGGGAAAA | GCTCAGGTTA | CTTAGCATGG | TTCCGGACTTA | 115260 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|--------|
| TTTGAAAACT | ACCACAGCAG | GAGCGGAAAT | AAGACCGCAT | TACCTCACTC | TCTGCTGTGC | 115320 |
| TGTGCTAGGG | GGTTATCCAG | AATAGGATTG | TAGAAGTGGA | TGTCGATTTA | ATAGTTTTTTT | 115380 |
| ATTCTCCCAT | TAGCTGAGTC | TCTGATTGGC | AATGTGAGAT | CGTTTTAGCT | TATTGATACT | 115440 |
| TTGAAATGCA | CTTAACAGCC | ACAAACAAGT | TAAAGGGTTG | TTACCATAAA | ATCTTATCCC | 115500 |
| CAGGGTGTGC | TTGCATTTAT | CACCCGTGTT | TGCTTTCACA | CTAAGTGGAC | TTAACTCCCC | 115560 |
| AGCAGAATGC | CTGTCAGGGA | ACCGGTTTCG | TGGACCCAGC | ATTTAACGCC | TTTCGCAGGC | 115620 |
| TTGTGAGGCC | CATAAATATT | TGTTGAATAA | AAGAATGAGT | TGACCATGTC | ATGGTGCCT | 115680 |
| GATTGCGTGT | GCTGACATGG | AACACAGGTT | GTAAACCTTA | ATACCAATTT | GGGGCATGTT | 115740 |
| GTATGGATGA | AAAGGGCATT | GGAAATTCCT | GAAGTGCATC | CCACATTGGA | CTGTGGAAAT | 115800 |
| AAGTTGCAAG | TGCAGAAACG | TTCCACACT | TGCAGTTTGA | GTATTAATTG | CAGCGTTTGT | 115860 |
| GAATTCTGGT | GTTGTCTACG | ATTCATTCTT | GTTTGACGTG | AAAGGTATTC | GCGAGACACA | 115920 |
| TCGCTCTAAA | ACATTGCCAG | AAAATGTAAT | AGAGTTGATG | ACAACGGCC | CTAACACGGC | 115980 |
| CTAAAACTCG | CACTTTTCTC | TCCCTCCGCA | ACTATTCAAA | ACACTGTATT | TTACATTTCT | 116040 |
| TGCAAATTAA | AAACTAACAT | CTCTGGCAAC | GGACCTCTAA | AAATTTCTAA | TAAAACTCCT | 116100 |
| CGGATGCTTG | TGGCACTGCA | TTTGTAACC | GCCCCCTCTC | AACCTACTCC | CTAAAAAAGA | 116160 |
| GCTGCTTTTT | GAGAGAGAAG | CGGTACCCTC | TGATGTTACT | GGGCGGCAGT | CTGCCTACAA | 116220 |
| TTTCCTTCAC | AATGAGGCAA | CCAGAGCGGC | TTTTTCTGTG | TGTTTGCTTG | CGTTGAGGGG | 116280 |
| AGCAGGACCA | TAGGCCCTAG | AGGCCCCCAG | CTGCCTTCTG | AGACTGGGCG | AAACCCTCGG | 116340 |
| CAGCGCGCAG | GGGGCGCTAG | GGCGCGAGGG | GCGGGCACTG | ACGGGCACCA | ATCACGGCGC | 116400 |
| AGTCCCACCC | TATAAATAGG | CTGCGTTGGG | GCCTTTTTTT | CGCATCCTGC | TTCGTCAGGT | 116460 |
| TTATACCACT | TTATTGGTG | TGCTGTGTTA | GTCACCATGT | CTGAAACAGT | GCCTCCCGCC | 116520 |
| CCCGCCGCTT | CTGCTGCTCC | TGAGAAACCT | TTAGCTGGCA | AGAAGGCAAA | GAAACCTGCT | 116580 |
| AAGGCTGCAG | CAGCCTCCAA | GAAAAAACCC | GCTGGCCCTT | CCGTGTCAGA | GCTGATCGTG | 116640 |
| CAGGCTGCTT | CCTCCTCTAA | GGAGCGTGGT | GGTGTGTCGT | TGGCAGCTCT | TAAAAAGGCG | 116700 |
| CTGGCGGCCG | CAGGCTACGA | CGTGGAGAAG | AACAACAGCC | GCATTAAGCT | GGGCATTAAG | 116760 |
| AGCCTGGTAA | GCAAGGGAAC | GTTGGTGCAG | ACAAAGGGTA | CCGGAGCCTC | GGGTTCCCTC | 116820 |
| AAGCTCAACA | AGAAGGCGTC | CTCCGTGGAA | ACCAAGCCCG | GCGCCTCAAA | GGTGGCTACA | 116880 |
| AAAAC TAAGG | CAACGGGTGC | ATCTAAAAAG | CTCAAAAAGG | CCACGGGGGC | TAGCAAAAAG | 116940 |
| AGCGTCAAGA | CTCCGAAAAA | GGCTAAAAAG | CCTGCGGCAA | CAAGGAAATC | CTCCAAGAAT | 117000 |
| CCAAAAAAC | CCAAAACTGT | AAAGCCCAAG | AAAGTAGCTA | AAAGCCCTGC | TAAAGCTAAG | 117060 |
| GCTGTAAAAC | CCAAGGCGGC | CAAGGCTAGG | GTGACGAAGC | CAAAGACTGC | CAAACCCAAG | 117120 |
| AAAGCGGCAC | CCAAGAAAAA | GTAAATTCAG | TTAGAAGTTT | CTTCTAGTAA | CCCAACGGCT | 117180 |

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|--------|
| CTTTTAAGAG | CCACCTACGC | ATTTTCAGGAA | AAGAGCTGTA | GTACACAGAT | GAAATCCCCC | 117240 |
| AAGCAAATGC | AACACGCCCT | CAATTATATT | AGAATCACTT | GGAGAGTCGA | TAGAACTTTA | 117300 |
| ACATAGCCTC | ATCTAGTAAG | AATTTACTAC | TCAATCTATC | AAAGATAGCA | AGGTGAATTC | 117360 |
| AAATGCACCG | AGTTAAATC | GAGTTTTAAA | GTCACCTGGG | TTTCGGTAGC | CGGAAGTCCC | 117420 |
| GCGTCTCACG | ACTCCAAGCT | AATTAGTCAT | AACCGTATTG | AACCAAGGTT | GAAGCCCAGT | 117480 |
| CCCAGGCTTG | AGGCTTTTTA | TTATACAAGG | TTAAAGTGGG | GATATTGCGT | TTTGGGGTCA | 117540 |
| ATATTGCTAA | AGTAGCATTT | TCCGAAATTG | GGTGGTCCTA | AGAAATGCTT | CTGGGATAGT | 117600 |
| TGGCAAATA | TATGGCTTAA | CCACGCCCTC | TCCACAGGAG | TGGCTAGCGA | GCTGTCTGTC | 117660 |
| CTTGGGAAGG | ACGGTGACCC | TGCTGGCGTG | GCTGGCGCCC | ACGTTGGCGT | CCTCTGAAAG | 117720 |
| CCCCGCCAGG | TAGGCCTAGC | TCGCTTGCTT | TCTGCAGCGC | CATCATGACA | AAGCTTTGAA | 117780 |
| ACGCAAATG | CTTCTTTTGT | GCAGCGCCTT | ACCATGGGTG | CACTTACGGG | CTGTCGACTT | 117840 |
| GGTTTAGGCC | CTTGTCAGGA | CAAAGGAGCT | TAGTTTGTTG | GAGTTTTAGA | GCTGCAACCC | 117900 |
| AAAATCCCTT | GCTCGGTTTC | TCTGTTTTTA | GAAACGGAAG | CGCCCTGATT | GGATATTTGA | 117960 |
| AAATTACTGT | GCTTAACTGG | ATCGTGTTTC | ATCAGTCGTG | CAGGATTTTC | AACCCTGGTG | 118020 |
| GAGCCACAC | ATTCAAAAC | GAAGATCCTT | TTCTCAGAAC | TGCCCCCTTA | AGCTTTTGCA | 118080 |
| ATTTTAATTC | TGGGGGTCAG | ATTTTAATAA | TTGGACTTTT | TTGTTTACAT | CTGACAAGAG | 118140 |
| TATATGATGA | GCCAAGTTTA | CTCACTTTTA | CTTAGTGCAG | TTCAATTCTA | AAAGTTTATT | 118200 |
| TTTGCGTGTG | TGCATATGAG | TTAATAATCA | GTTGTATTTT | TCAAACGGTC | TTTTTTCAAT | 118260 |
| TGTTTTGCTT | AGCTCCTTCC | ATCGTCTAAA | GTCAGGGATA | CAGGCACATC | ACATCCCTGT | 118320 |
| TCCCCCTTCC | TCAAATAAT | ATGTAGCTAC | CTAGGTTTAT | CCTTTAAAAC | AAAAATTCTC | 118380 |
| ACCTATTTTT | GTGAGAAATA | TACATGTTTT | TCTTTGAACT | AAGTATTTTA | CATACACCTA | 118440 |
| TCTATATACA | TGCATACTTG | TGGTTTTGTT | TTTTTAAAAA | AAAAAAAAAA | AAAACACGTT | 118500 |
| ATCTTTTGAG | ACTGGGTCTC | AGTCTGTTGC | CCAGACTGGA | CTGCAGTGGC | ATAATCACAG | 118560 |
| CACACTGTAA | CCTCCAACTC | CTGGGCTCAG | GCTATCCTGC | AGCCTCAGCA | TCCGGAGTAG | 118620 |
| CTGGGATTGC | ATGCACGCAC | CACCAAGCCG | GGCTTTTTGT | TTTTATTTTT | TGTGGAGACA | 118680 |
| GTCACACCAT | GTTGTCCAAG | CTGGTCTAGA | AATGGCCTCA | AGTGATCATC | GACCTCCCAA | 118740 |
| AGTGTTGGGA | TTACGGTCAC | TGTGCCTGGC | CTTGTATGCA | TAATTGTTTT | GTCTTTTGAT | 118800 |
| TAGGGTTATT | AATTTAAAAA | ACAAAGCCTG | GACGCAGTGG | CTCACATCTG | TAATCCCAGC | 118860 |
| ACTTTAGGAA | GCCAGATGGG | CAGATTACTT | GAGCTCAGGA | GTTCAAGACC | AGCCTGGGCA | 118920 |
| ACATGGTGAA | ATCCCATCTT | GACAAAAAAT | ACAAAAAATT | AGCAAGGCCC | AGTGGCACGC | 118980 |
| ACTTATAGTC | CCAGCTACTT | GGGAGGCTGG | GGTGGGAAGA | TGACTGGAAC | CTGGGAGGTA | 119040 |
| GAGGCTGCAG | TGAGCAGAGA | TCGTGCCACT | GCACTCAAGC | CTAGGTGACA | GAATGAGACC | 119100 |

| | | | | | | |
|------------|-------------|------------|------------|------------|-------------|--------|
| CAGTCTCAAA | ACAAAAATAA | TAAAAATTTT | TTACAACGAT | GTTATATACA | CTTCTGCATG | 119160 |
| TTGCTTTTCT | CTTAACCAAA | CTTTTCTAAA | ACCCTGTCAT | GAAAAAAGAA | ATCCTTCACA | 119220 |
| TGGAATAGCA | TAAGTTATTC | ATCCATTTCT | TATTGATAAG | CATTGATGTT | TCCAGTTACC | 119280 |
| ACTGCTGAAC | ATGGTGCAAT | TGAATAGAAT | TCCAGGGCTG | AGATTGCTAG | GTTTTAGGTT | 119340 |
| GTATTTTATT | ATTTTATTTA | TTTATTTATT | TATTTAGACA | GAGTCTTACT | CTGTCACCCA | 119400 |
| TGGTGGAGTA | CAGTGCCATG | ACCTCAGTTG | CAACCTTTGC | CTCCTGAGTT | CAAGCGATTC | 119460 |
| TCATGCCTCT | GGTCTCCCGA | GTAGCTGGGA | TTACAGGCAC | CTGCCACCAG | GCCTGGCTAA | 119520 |
| TTTTTGTTAT | TTTAGGAGAG | ATGGGGTTTC | ACCATGTTGG | CCAGACTGGT | CTCAAACCTCC | 119580 |
| TGGCCTCAAG | TGATCTGGCC | ACCTCGGCCT | CCCGAAGTGC | TGGGATTACA | GGTGTGAGCC | 119640 |
| ATGGCGCCAG | ACCTGGACTT | TGTCTTCTGT | TTCATCAGTC | CTTCTGTTGG | TTCAAGCACA | 119700 |
| GTATCACACT | GAAGACTGAT | GATTCTATAT | AAATATGGTA | AAGACTGTAC | ACCCTAACTG | 119760 |
| TTCTTATTTT | TTAATTTTAA | GGCAATTTTA | GATTCCAGCT | TTCCAAAGAA | TTGTGGAATG | 119820 |
| CTTAGAGCTA | GAGAAGCCTT | GGAAGTCATT | TAGTTTTTGT | TTTGTGAGAG | AAAATTCTGT | 119880 |
| AGAGACTCTG | TCCTGCTCTC | ACTGAATACC | ATCCCATAGT | ACCCCCCAAC | AGCTTTAAAG | 119940 |
| GGCAATAATA | CCTTATGGAC | AGTATGCTTT | TCCTCAAATA | TATTCTAAGC | CATGGTCAAT | 120000 |
| GCAAAAGAGT | GAGAAGGAAA | GTAGAATAAG | TTATCTAAGA | ATCAGTGGGT | GCTCTCTTTA | 120060 |
| AACTGATTTA | TCACTCCCCC | TTCCAAACTC | TCTTGAAGGT | CACTCTGCCT | CCCTTTCTAC | 120120 |
| ATAAGAACTC | CTAACTCCAA | GGGAGGAAGG | TAAGTTATTC | TTATTCCTTG | CTTAGAAAAA | 120180 |
| GAGAAAATAG | GTTTGGTAAAG | CATCCGCTTT | CTGCTACCAT | TCTCTGTGTT | TCTGTGTTTT | 120240 |
| TTATAGGATC | ATTCAATTAT | TGGTTGGCTC | TTGAGAGGGA | ATGCAAGGTT | CAAGGACACA | 120300 |
| AGCCTAGATC | TTGCCTGTAT | AGAACCTCAT | GATGTTATGC | TTCTCTAAAA | TGAGGCCTGG | 120360 |
| AGGAGACATG | TTGAAAGTGA | CCCATAAATC | TGCAGTATCT | CATGTCTCTC | AATGGGGACA | 120420 |
| AGGAGTACCA | TGGGAAATAG | CATTAGGTCA | ATGACAGTAA | CAACTCCCAG | GTGAGTTGAT | 120480 |
| TTATTCTTTT | ATTTATAAAG | TTGTTAATAT | GCTACATAGT | CCCTAATTTT | GCCACAAATA | 120540 |
| GTCATTATTT | TAATTTTATA | TTTCACTATT | GATAAATGAA | GGAAAAAATG | AGTAGCAGTT | 120600 |
| AAGCAGTCCA | TAAACCTACA | TATAAAGCAA | ATTGGAGATT | TTAAAATTGA | TTCTGGATGC | 120660 |
| TTAAAATCCT | TCTCATTGAA | AAAAAATTTT | GTATTAGAAG | ATTTCAACAT | TCTTTAAACT | 120720 |
| GAGAAGCATA | ACATATAAAC | AGAAAACCAC | AGCAAAACAA | AAATGCAAAG | CTCAATAAAT | 120780 |
| GAACACAAAG | TGAACACCAT | AATAATTGCC | ACACAAGTAA | AAAAACAGAA | AATCAGCCAA | 120840 |
| CCCTCCCAGA | GCCGCCTGAT | GCTTGCTTCC | AGTCACATTA | TCCTCCATC | TGCCCTAAAC | 120900 |
| ATAACCCCTA | TTTTGATTTT | CAATGCTGTA | ATTTAGTATG | CCTGTTTTTG | AAACATATAA | 120960 |
| AATGGAAATA | AAACAAATGT | AATCCTATGT | ACCTGACATA | TTTCACTCCA | GAACATTAGG | 121020 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|--------|
| TTTGAATAGA | TTCATCTGTG | TTGCTGTGTA | TAACTTTAAT | TCATTTTTAT | TGTTATGTAA | 121080 |
| TATTCCATGT | TATGAGTGCA | ACAATTTAGG | TGTCTACTGT | TGATGCATAT | TTGCTTCCCT | 121140 |
| TTTTCAGCTA | ATATAAACAA | TACCGTGAAT | ATTCTGTGT | ATGTGTCTTG | GTATATATAG | 121200 |
| GAATACATAT | TTTGTTTGTA | TACCTAGGAG | AGGAATTGTT | GGGTCAAATG | CTAAACTCTT | 121260 |
| TTTGAAAGTG | GTGATATTAG | GTTTACATGC | GATGAAATGA | AAATTAAAAC | CACAGTTATA | 121320 |
| AACAGCATGG | ATGAACCTCA | CAAACCTAAT | GTTGATGGAA | TCTAGCTGGG | AATTCCTGTT | 121380 |
| CTTCCATATA | CTTCCCAATA | TTTTTTTCCA | ATTAAAATTG | TTAATCTTTT | GAAGATGTTA | 121440 |
| TCCATTGTGG | CAGATGTGCA | GTATTATCTC | ATTATGGTTT | TATTTTACAT | CTTTTGCCCA | 121500 |
| TTTTTTCTTA | ATTGGATTGT | ATATCAGTCG | ACTTGGGCTG | CCATAACAAA | AATACTAGAC | 121560 |
| TAGGTAGCTT | GAACAAAAGG | AGTTTATTAC | CTCACAGTTC | TAAAGGCCAG | GCCAGAAATC | 121620 |
| CTAAATTGAG | GTGCCAAGAG | ATTCAGTTTC | TAGTGAGGGC | TCTCTTATTG | ACCTGAAGAT | 121680 |
| AGTTGCTGTC | TTAGATTGTT | TGGTGCTGAA | CAGAATACCA | GAGACCAAAT | AATTTATAAA | 121740 |
| GAATACAGAT | TTATTTCTTA | CAATTCTGGT | GGCTATAAAG | CCTATGGTCG | AGGGGCCCCAC | 121800 |
| CTCTGGCAAG | GGCCTTCTTA | CTGTTATGGC | AGATGTGAGA | TGTCATCTCA | TATTCAAACC | 121860 |
| ACAGCAGTCG | CCTTTTGTGT | CCTCATGTGG | CCTCTTCATA | TGCCCATAAA | ATGACCTCAT | 121920 |
| GTCTCTTCCT | TTTCTTATAA | GGACACCAGA | TCTATCAGAC | TACTGGCCTA | CTCTTATGAC | 121980 |
| CTCATTTAAC | CTTAAATATC | TCCATAAAGT | CCCAAAATCC | CTATCTCCAA | ATATAGGCAC | 122040 |
| ATTGGGTGTT | AGAGTTTCAA | CATCAATTTT | GGGGGAACAC | AATTTAGGCC | AAAAAGATTG | 122100 |
| TGTTTTTTCT | TGTTGGTTTA | AGATAGCTGT | CTTTTTGTCC | TTTTTGTCTT | TTCTTTTTTT | 122160 |
| TTGAGGTGGA | CTCTTGCTGT | GTCACCCGGG | TTGGAGTGCA | GTGGCGCTGT | CTCAGCTCAC | 122220 |
| TGCAACCTCC | ACCTCCTGGG | TTCAAGAAAT | TCTCCTCCTC | CCAAGTAGCT | GGGACTACAG | 122280 |
| GTGCATACCA | CCGCGCCCTG | CTAATTTTTG | TATTTTTGAT | AGAGACGGGG | TTTCACCATG | 122340 |
| TTGGCCAGGC | TGGTCTCAAA | CTCCTGACCT | CAGGTGATCC | ACCTGCCTCG | GCCTCCCAAA | 122400 |
| ATGCTGAGAT | TACAGGTGTG | AGCCACCAAA | CCTGGCCTGT | CTTTTCTGTT | TTAAGTTTTT | 122460 |
| AAATTTTGCT | CACGAACCTT | TTATCCATTT | TATGTGTTGC | AGGTATTTCC | TCTGTAACTT | 122520 |
| GTCTTCACTC | TGTCAGAGGC | TGGAGTGCAG | TGGCACAATC | ACAGCTCACT | GCAGCCTCCA | 122580 |
| CCTCCCAGGA | TCAAGCGATC | CTCCCATCTT | ATCCTCCTTA | GTAGGTGGGA | CTACATGTGC | 122640 |
| AGGCCACCAT | GCCCAGCTAA | TCTTTGTATT | TTTTTGTAGA | GATGGTGCTG | TTGCCCAAGT | 122700 |
| TGGTCTCAAA | CTCCTGAGCT | CAAGCAATCC | ATCAACCTTG | GCCTCCCAAA | GTGTTGGGAC | 122760 |
| TAGAGGTGTG | AGCCACCACT | GCACCCAGCC | AATGATATCT | CATGATGCAT | TAAAGTCATT | 122820 |
| AATTTAGTGT | ACTCAAATTA | AGCACACTGC | CCTTTTATGC | ACAACCTTTT | TTGTATCTTA | 122880 |
| TTTAAAAAAT | CATTTTCTAT | TTCAAGGTCA | TGAAGATCTT | ATTTTATAAT | ACCTTCTTGT | 122940 |

| | | | | | | |
|------------|-------------|------------|-------------|-------------|------------|--------|
| GAAATTAGTT | CTCAAGACTA | CCCTCACTTC | TAACACCAAT | TATAAGTTGG | GAGGTCTGTG | 123000 |
| GTTCCCAATC | AACCTTAGGT | TAGTAATTTG | CTAAAAGGAC | TCACAGAACT | TGCTGAAGCT | 123060 |
| GTTAGCCTCA | TGGTTACAAT | TTATTATAGG | ATATATAGCT | TATTATGTCA | TTCCAATGCA | 123120 |
| ATGTAAAATT | ATACAACCTAC | TTTTAAAAAG | ATTTTAGCAT | TTGACCCAAC | AATTTCACTC | 123180 |
| TGAGGTATAC | AAACAGCAGA | TATGTGTGCA | CATATATACC | AAGACACATA | CACAGCAAAA | 123240 |
| TTCATTGTTT | GTAATAGTTG | AAAAGGGGAA | ACAACTCAAG | GAATAAAGAT | TAAAATCAGC | 123300 |
| TGAGAAAAGA | AACACACAAG | GCAGTATTAT | GGATCGAATT | GTATGCAGAT | CTCCCTTGCC | 123360 |
| CCCAGAAGAT | ATGTTTAAAG | TCCCAACTCC | CAGTACCTCA | GAATTGTGGC | CTTATTTGGA | 123420 |
| AATAGGATAG | TTGCAGATAT | AATTAGTTAA | GATGAGGTTA | TAGTACAGTA | TGATGGGCTG | 123480 |
| GTGACTTAGA | AGAAGTAGTA | TATATATATT | TTTTAATAGA | ACTAGTATTC | TTCTAAGGTG | 123540 |
| GTCACGTGAA | GACAGACACA | CACAGGCAGA | GACTGAGGTT | ATGCAGCTGC | AGGTCAAGGA | 123600 |
| ATGTCAAAGG | TTGCCAGCAA | GTACGAGAAG | CTAGGAAGAG | TCAAGGAAGG | ATTTTCCTAC | 123660 |
| AGGCTTCAGT | GGAAGCATAG | ATCTAATGAT | ACCTTCATGT | CAGATTTCTA | GCTTCCAGAA | 123720 |
| CTACAAGAGA | ATATATTTGT | TGTTTTAAGC | CACCCTAGCT | TCTAGCTCTT | TGTTACAGCA | 123780 |
| GCCCTAGGAA | ACTAATATAG | GCACAATCCA | GGCAAGTTCC | AAATATGAGC | TTCCAGTTGT | 123840 |
| CCTCTCCCAG | TAATATGAAC | AGTATTACTT | TCCCAGCATT | AATGTGTGAC | AATACACATG | 123900 |
| ACGTACAGAG | CAGTCCCCAC | TTATGCACAA | AACATATGTT | CCAGGACCTC | CAGTGGATGT | 123960 |
| CTGAAACCAT | GGATAGTACT | GAAGTCTATA | TAGCTGTTTT | TTCCCTATACA | GACACAGCTA | 124020 |
| TGATAAGGCT | TAATTTATAA | ATTAGGCACA | GTAAGAGATT | AATAACAATA | AATTAGAATA | 124080 |
| ATTGTTAAGA | ATATACTGTA | TAAAAGTTAG | GTGAATGTTT | ATTCTGAAA | TTTACCGTTT | 124140 |
| ATTATTTTGT | GACTGCAGTA | GACCACAGGA | ACTAAAACCA | TGTAGAAACC | GTATACAAGA | 124200 |
| GAAGTGTATT | TCACCCGAGC | CTCAGTGTGC | AGTTTAAATG | GCCTGCCATG | GTTGACTGCT | 124260 |
| CACATGGCCG | ATCTTTTAGT | CTACCTCCAC | AGGTAGAGCT | GATACTGTGT | GGCTCAAAGT | 124320 |
| TCCTATTATA | AATCACATTG | TTGACTGTGT | GGTGGTCAAA | ACCTCCAGGT | AAACAAAGAC | 124380 |
| ACACTTATCA | GTGAGAACAT | TTCAAGGGTC | TAAAATTCAT | CTCCCAGTAG | CTGAGGGCAA | 124440 |
| AGGCTAGACC | TCTTTTGGG | TAAGATAAAT | TTTTTACCAT | ATACTTTATT | TTGCTTTTCA | 124500 |
| TGTTTAACTT | TATTTTGCTT | TTCATGTTAG | TTCCCCTGGA | ATTGTTTTTT | GTGTATAGTG | 124560 |
| TGAAGTAGGG | GGTCAAGTTT | CTTTTTTTTT | CCTTTTGTGTT | CTTTTCTGT | TTAAAAGGCT | 124620 |
| ATACAATTGT | CCCATGCCAT | TTATTTACAA | GAGTCCTTTC | ACCATTGTTG | TATGGTGCCA | 124680 |
| CTTTAGATGT | AAATCAATGT | CCATATTTGT | TTGAGCCTGT | TCCATTCGTT | TGTCTATTTT | 124740 |
| TGGACAACAC | TGCCCTGATT | ATTGTCATTT | TATCAGTTTT | GATATTTAAT | AAAGCAACAG | 124800 |
| ATTTGTTTAT | TTTGGGCCCT | TGGATTTGTG | TATTAAATTT | GAACCCTGTT | TGTCAATTTT | 124860 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|--------|
| TATAATAAAG | CTTATTGGGA | ATCTGATTAG | GATTACAATG | GTTTTGTAGA | TCAGTTTGGG | 124920 |
| GACAATTAAT | ACCTTTAAAA | TATTGACCGC | TTCAACTGTA | AATATACTCC | TCCATTATTT | 124980 |
| AGTTTTCTCG | TTTAATTTAT | CTGAGTAATA | CATTATAGTT | TTCTTCGTAG | AAGTCAGATA | 125040 |
| CGTAGAAAAT | TCAAAGCCCC | AGTGCAATAG | CTCATGTCTG | TAATACCAGC | ACTTTGGGAG | 125100 |
| GCCGATGTGG | GTGGATCACC | TGAGGTCAGG | AGTTTGAGAC | CAGACTGGCC | AACATGGTGA | 125160 |
| AACCTCATCT | CTAGTAAAAA | TACAAAAATT | AGCTGGGTGT | GGTGGCGGGC | ACCTGTAATC | 125220 |
| CCAGCTAATC | AGGAGACTGA | GGCAGGAGAA | TCGCTTGAAC | CCAGGAGGCA | GAGGTTGCAG | 125280 |
| TGAGCCAAGT | TCCTGTCACT | GCACCCCACT | CTGGGCGACA | GAGCGAGACT | TCGTCTCAAA | 125340 |
| AAAACAAAAA | AAAGAACATT | CAAATAATCA | ATGTAGATAA | TTCAAATAAC | TAAAAAATGA | 125400 |
| ACAGTTATTA | AAATATCAGG | ATATAAAAGC | AAAAAAATCA | ATAACCTCCA | TATATACAAA | 125460 |
| ATGGCCAGTT | AGAGAAAAAA | AAAAGAATAG | GCGAGACTTA | AAAAGGCTGG | GAATCTCCCT | 125520 |
| GAAAATCTTT | GAGAGCCTTG | GCCCTGCCCT | CAGGGATTTT | TCTGGCTTCA | TGCCCAGATA | 125580 |
| CGGGTACAGT | TCCTTGTTTA | AAAAAATTTT | GCTCCATCAA | TCAACAAGGG | GCTCCTTCCT | 125640 |
| CAGAGCACAA | GGACCTCCAT | AACACCGGAC | ACTAGATGTC | TAAGGGACAC | CTCTTAAGGA | 125700 |
| AGTTAGACTT | CCAAAGAATG | GTGTTTCCTC | TGTCCCCAAA | CTCTGGAAct | CACAGCACAA | 125760 |
| CTGCTCCTTG | GAGTTCGGTT | TCAAATCTAC | AAGGCTGTCA | TGGAGGTTGC | AGACCAAGTC | 125820 |
| CGTGGCCTCA | GTGTCCGGAT | GTACGGTGGC | CTTGGCACCT | GAATGTGAGA | ACATGACCTC | 125880 |
| CCTGAAACCA | CCACAAGTAT | TGTTTCATGT | TATGTATGTT | TTTTCTTATC | TGAAATTCCT | 125940 |
| TTTCTTTAAA | AATTCAAATT | ACATATTTTG | CAAGCCCCTG | AACAAGCTTC | ATGAGCATTT | 126000 |
| ATTGAACCCA | CAGCTTTTAA | AACCTACTGA | ACACTTTGCT | CTATGTTGTC | ATTCATATC | 126060 |
| CACCAATTAT | TTAATTATTG | ATCAATATTG | TTTCCTTAGT | GTTGGGATCA | TTTATGCATG | 126120 |
| TATTTCTTTT | ATATTGCATA | TTTTATATTT | CTGCATTACA | GTTATTACAT | ATTACTTTTG | 126180 |
| CTACAGTAAT | AGTTCAAAAG | TGTACATCCA | AAATTTAGCT | GTGAAGTGGA | TGGACTGAGG | 126240 |
| CAGAACTGGA | GGCAAGAAAA | TGTCACAGTA | ATTCTAAAAA | AGATGATGTA | CAATTAGAGC | 126300 |
| AAGAGAGTAG | CACTGAAATT | GAAGAAAAAT | AGATGCGTTT | GAGAGAAAAT | TAGGAGGTAG | 126360 |
| AATCAACAGA | TTAGATGTAG | GGATGAGAAG | GGTCAAAGAT | GACACTAGGG | TTTTTAACTG | 126420 |
| GAGCAAGTAG | GTAGACAGAA | CATTTCTTCC | TGAAAGGGCA | GGTCAGATCA | TGTGTTGTCT | 126480 |
| CAAAGGGCAT | GAAGAGTAGA | AAGCCTGGGA | CAGATCCTGA | GATGACCAAT | ACCCATGGTG | 126540 |
| CAGGGAGAGG | GAGGGAGATC | TGCTAAAAAG | ACTGCAAATG | TCAGGATAGT | AGAAAATCAT | 126600 |
| GAGTGTGTGA | TGTCCTGGAA | GTTGAGACAG | TATCACATTT | GAGAACATTT | AAATTGGTAA | 126660 |
| CTCTGACAAA | AAGCTGGAGG | CCAACGTGTA | ATGCCCATGA | GAGTGAGAAG | CTCCCACT | 126720 |
| TTTGTGGGCA | TCAGAAAGCC | CACCAGGTTC | CTGCAGTGAA | GATCTGAGAA | GGATCCTCTT | 126780 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|--------|
| GTGGCTTTGG | CAGGGAGAGA | AGAATTATTA | TGAAATACAC | CCCAGAACCT | TCTTCAAAAC | 126840 |
| AAAGGCCTAC | TCTCAAGGGG | AAAACATTTT | GCCAGAGTCT | TATCCCAGCT | GGGAGAAGGT | 126900 |
| AATTCTTCCC | ACTGCAGCCT | CATCTAGGCT | TTCTGTCTCA | CTTAAGGGAA | GAAAATTAGT | 126960 |
| CAACAGGGAT | CAGAGCTTCA | TGAAAATAAA | TTGGAAATGG | TGCAGCCAGG | AAAGGAGCAA | 127020 |
| AGGTCTGAGG | AGGAGGAGAA | GGAGGAAGAG | GAGTTGTATC | ATTATAAATA | CTTGAGGAAG | 127080 |
| AGGAGGAGAA | GGAGGAGGAG | GAGGAGTTGT | ATCATTATAA | ACACTTGAGG | AAGAGGAGGA | 127140 |
| GGAGAAGGAG | GAGGAGGAGT | TGTATCATT | TAAACACTTG | AGGAAGAGGA | GGAGGAGAAG | 127200 |
| GAGGAGGAGG | AGGAGTTGTA | TCATTATAAA | CACTTGTGAC | GGTCCCAGCC | CCAAGATATA | 127260 |
| GGCATGCTAA | TAAACTGAGG | CTTAACACTT | TGACTACAGA | ATGCTGCTTC | TCCCTAACAC | 127320 |
| CATCAAGGCT | CCAACTGAAT | AACAATGAAT | TATGAATGAA | AGAGCTGTAA | GGAGAGACAA | 127380 |
| AAGTTAGAAT | GAGACAAGTA | TTGTTATCTA | GAGATGCCAA | GAAGGCAAGG | AAGATAACTA | 127440 |
| AAAAGGCACT | CTGGATTTAG | AAATAGGAAG | TCATTAGTGA | CCTTGTAAT | AATGGAGCCA | 127500 |
| GAGGAATACC | AAGGGCAGAA | GCCTCACTAT | AGTGTGTTGC | ACCTGTCAGA | GGTCAGGAGG | 127560 |
| TGTAAGTAC | TCTCCACAG | TGTGGCTTTG | GAAGAGAGAA | GTCAGCAGCT | GCATGGAGAT | 127620 |
| TTGGGAGAGG | GAAAGCTTTT | TTTTTTTTTT | TTTAATTGGA | AAAGACTGAG | CTATGTGTAA | 127680 |
| ATAGAATAAG | ACAGGAAGAG | TGTAGACACA | GGAAAGAGGG | CAGACAAAAA | CAAGTGCACA | 127740 |
| GTTATCTAAG | GGAAACAATG | GGATCAAGCT | GCAAGTATAT | AAACTTGTCT | TGATAGAAGA | 127800 |
| ATCCTTGATC | TGGTTTATTC | AGTGTTTGGT | CCAAACCCAC | ATCCCTGTTC | TGCCTGTCTC | 127860 |
| TGACTTGCTC | TGTGCCCCAG | AAGCCCAGCT | TCTACAGATA | GCATTAGCTG | GGCAGCCCTG | 127920 |
| CCCTCTTGCA | ACAGCTGGAT | TTGGCCAGTG | ATCAGCCCAG | CAGGAATGTA | GATGGCAAAG | 127980 |
| GAGAGAGAGG | TTAGTGTACT | TATTCCTGTC | ATCACCCCCC | TGCTTGGTGG | GCAGCTCTTC | 128040 |
| CTCCACAGTC | CCAGCTCTGG | CCTAGCTCTG | GTTACAGGTT | CCCTCCCATT | GCCTCTTCAG | 128100 |
| ATTTAAAGGT | GTGTCTGTCA | GGGTATAACT | GGGAGCTAGA | AATTGCACTG | AAATTGAACA | 128160 |
| AAGAATTTTA | TGGGAATGGT | TGTTAACTAG | TTATAAGAGG | ACTGAAAATG | GAAAAGTGGA | 128220 |
| CAAACGTATC | AGAGATAGTA | ATGACAGAAA | GCAACTACCA | CCTCCAGGTT | TAGGAGAACA | 128280 |
| AGGAAAAGAT | TCTTTGAAGA | GATCCCCAGA | ACTGGGACCT | CTGAGGAGTG | TATGCTGGAC | 128340 |
| CACTGATGAT | GATATGTCTG | TAGATAGAGG | CATGATGAGG | CTGATTTTAG | GAGCATGGAA | 128400 |
| GATCTCCAAA | CTGAAGCCAA | CTGCTGTTAC | TGGATTCAAC | TGCCACTGCC | AGGTTGAAGA | 128460 |
| ACCCATTCTG | TGAGGATGTC | AACAAACAAA | GTGGGAAATC | TTTTCACATC | CTTCCAGCCC | 128520 |
| TCTAGTCTTC | CTCCAGTGCT | TTCTATTGGT | AGGGTTTGGG | GAGGTGGCTA | GCAAAGCGGT | 128580 |
| ATTGGAAAAG | ATAGAAGAGA | CTAAATCTTC | ATAACCAGCA | CAGGGTGACA | CTGGATCACT | 128640 |
| ACTGTTGCTG | ATCTTGGGCT | GCCTCATATC | CCCTGTTCTT | CCCATTAGCC | CTGTCACAAC | 128700 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|--------|
| TTTGTAGATA | TCCCTTCATT | ATATGCCCTT | CATATATTCT | TTTGGTTTAA | CTTTTTCTGT | 128760 |
| TGGAATCCTA | ATATGGCACT | CCTCCATTTT | TCAGGACCAA | AAGAGTATAA | AAGATTATCT | 128820 |
| TTTACCAAAA | AAAAGACAAA | AAACTGATCT | AATTCCTGAT | TTGATCATT | CACAATCTAT | 128880 |
| ACATGTATCA | AAATATCACA | TAGTACCCCA | TAAATATATA | CAACTGTGTC | CATTAAAAAT | 128940 |
| AAAAATTAAA | GAAAAGATGG | TAAATATAGC | TCTGTCAGGC | AGTGGAGGTT | TTACCACGAT | 129000 |
| GGCTGTTATT | TCCCCCATGA | AGGGGGGAGT | GAGGGAGCAG | CTGAAAGTAG | GTGCTTATAG | 129060 |
| GGGTATAGAG | GGGCTCAAAG | CTTTGAGAGA | GGAGAATGTC | TGAAAGAGCT | GCCAAATAGC | 129120 |
| ATGCAGGTCC | CATGGGGGCA | GAGCCTCTGC | TCATTACCCA | GTGCCTCTTC | AATATCTACA | 129180 |
| CTTAAGCCTA | ACACAAAGTG | TGTGCTTAAT | AAGTATTTGC | TGAGTATGTA | AAGTGGAAAC | 129240 |
| AGAACCAATC | TGGCAAACCT | TGTAGGACTG | GTGGGCAATG | AAGATCAGTC | AGGTAAAATC | 129300 |
| TGTGGATATA | AATTTATATT | GATCAAAAAA | TTCAAGGTTA | GGTGTTTTTT | TTCAGTCATG | 129360 |
| CTCAACGATG | CTTCAGCCAT | GCTCAACTCT | TCTGTAGCCA | CAGAAAAAAG | TTTACCCATA | 129420 |
| ATCGAGCTGT | GTCTGTGTCT | GAATAATGAA | AAGACCATGA | TGCAAGGGAG | TTGGAGACAC | 129480 |
| AGAAACAGTG | TTTGAAGTAA | TGGGTAATGG | AAGCATGCTA | CCAGGGAAAG | GAAAGAAGTG | 129540 |
| GCAATAGGAA | GGAACAGAGA | TCTGTGGTCC | TATGTCCCCT | GAGCATATTC | ACATGTTAAA | 129600 |
| GCTAATTCAG | TTTTCAATCA | TCATTAAAAT | TTTGTTCCTA | AATATATGGC | CATTATTTTC | 129660 |
| CACAACCACA | CTAAAACCTT | ATTACCTCTG | GCAAGTGA | ATGCAAGTAA | CTAAGAGCAA | 129720 |
| AAATATCCAC | AACTACCATT | TGAGCTATCA | ATTTAGGGAA | AGTCATCTGG | CTATAATCTA | 129780 |
| AGTGACCCTC | CACTGAATGT | CAGTATCTTT | GCATATGTGA | TTTAAATCTG | GGCCTTCGCA | 129840 |
| ACACCATGAA | CTGTTCTTGT | CTTGAATATC | CAGATTGAAG | GAAATAATCT | GAGTAGTTAC | 129900 |
| GAGTCCTGAA | GCTAGAAAGA | TGGAAACCCC | ATTTGCTCAT | CAGAAAGCCT | TAGAGCTTGG | 129960 |
| GCGCTGGCGG | GTCCTGTCTC | ACCGGGACAG | AGGGGCTCTT | TCCTCCCCAT | CTGATAGTCT | 130020 |
| GATAACTAGA | GAAGCCGGCC | AACTTATTCT | CCAAGAAGGA | GCCATCTTAG | TTCCTCCTGA | 130080 |
| AATGTTTATA | TTTAGAAATT | ATTGTTTGTC | AGTAATTTAA | CCCCTTAATG | GGCTTGCCTT | 130140 |
| GTGGTCCATA | CCACTGAGTG | CAGAGCTTGC | CTGGAAGAAT | TGTGAGGGCC | ATTCCATCTT | 130200 |
| CCAGGCAGTA | GAGTTCAGTA | CTTCTTTAAA | ATTGCTGCTG | AACTCTGTAT | TTGAAAAGAA | 130260 |
| AGAATCATTT | GGGTGTGGTA | GCTCACACCT | GTAATCCTAG | CGCTTTGGGA | GGCTGAGGTG | 130320 |
| GGAGGATCAT | TTGATGCCAG | GAGGACCACT | TGAGACCACC | CTGGGTAACA | TAGCAAGACC | 130380 |
| CTGTCTTTAG | AAAAAAAAAA | TACAATAAAA | TAAATACAAT | AAAAATAAAA | GCAAAAAGAA | 130440 |
| AGAGTCCATC | TTAGGGACAG | ACTGTAACCT | CTCACTGGAG | CTTACCTTTA | CATAGTTTCA | 130500 |
| GATCAATTAT | AATAAAACAC | TTTTGTGCAG | ATTCAATAGG | ATTATTTTAA | TCCCCATCAT | 130560 |
| CTCTCTGAGT | TTCCAGTCAG | TTTCTCTGCA | TGTAGACACC | CTTCTCCAGC | CCACCATTGT | 130620 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|--------|
| CTCTCCTCCT | ATAGCTCCAC | CAACAAATCA | GAACCTTTTC | TAAGTGCACC | TAGTGCACCT | 130680 |
| AGAGTCTACT | CCAGAATGCT | CATGGAGAAA | GTTTCTGAAA | GGTAAAACTC | TGAATGATAT | 130740 |
| TTGTAGCTAA | AGGGAGACTT | GCTAGAGACA | ATAAGCTAAT | AGTTGTAGAC | TTCAGTAGAA | 130800 |
| GAGGAATGAC | ACTGCAATGT | CAGGGTGCAG | GACTTCAAGA | GGGCAGAGTA | TGGAAACCCA | 130860 |
| ATGGGAAAAA | TGCTCACCAG | GAACATGAAG | AGAAGGAATT | ACGTGTAAGG | ATTTCTCAAT | 130920 |
| GTGTTCCCAA | ATTTGCCCAG | CAGAGGGAGG | CCTCGGGTTG | ATGGCAGGCT | GACCACACAA | 130980 |
| TTAAAGAAGG | CTGAACCTGG | GGGCTTTTAA | CAACCATCGT | GGGCTCTACT | GTAAGCATTT | 131040 |
| AGAAAAAGAA | AGTTATCCAT | TCAAAAATAT | ATATATTTTT | AAACTTCAGA | ACAAAATTAT | 131100 |
| GAAGAGCTAT | ATTTACTTTT | CTACATTCTA | ATTTTATATA | ATCTGAGTAT | ATTTTGCATA | 131160 |
| TATTGTTATA | GTACATATTC | AATTTTGTAT | TTTGCTGTTT | TCACTTAACC | ATTTTACTA | 131220 |
| GATTACTCTG | TGTTCATAAT | AATCACTTTT | TTAAAACTTT | TATTTTTATT | TATTTATTTT | 131280 |
| TTTTTTGAGT | CAGAGTCACA | CTCTGTCGCC | CAGGCTGGAG | TGCAGTGGCG | TGATCTTGGC | 131340 |
| TTACTGCAAC | TTCCACCTCC | TGGATTCAAG | CAGTTCTCCT | GCCTTAGCCT | CCTGAGCAGC | 131400 |
| TGGGATTACA | GGTGTGCACC | ACCAAGCCCG | GCTAATTTTT | GTATTTTTAG | TAAAGACGGG | 131460 |
| GTTTCACCAT | GTTGGTCAGG | CTGGTCTCCA | ACTCCTGACC | TCATGATCTG | CCCACCTTGG | 131520 |
| CCTCCCAAAG | TGCTGGGATA | ATCACTTTTT | ATGCTGCATA | ATTCTTCAGA | TTTGTTCAGTA | 131580 |
| CGACTGTATT | TACACTCATT | TGTTTTATTA | GAAAGAATTC | CAGAATATTT | TGGCTGCCCT | 131640 |
| AATTAATTTT | ACAATTAATA | TGATTTTGAA | ATTGGGTATT | GGCTCCTTCT | GAATTGGTTT | 131700 |
| ATTAAAATAT | ATTCTAATGT | AATTTATGAC | ATTTTCATCA | TATTAGCATA | TTTATTCTGT | 131760 |
| TAGAATTTCA | TAATTTATAA | AGCTACAAAC | TGTATGTGAT | ATAGCTTGTA | ACTTTATCTC | 131820 |
| ATAACTTTAT | GCAGTTACAA | GTAGAAATAA | AATGTTCCCC | TCAAGATTGC | TTAAAATTTT | 131880 |
| ATTATAAACA | AGTGTAACAA | ACAAAATCAC | TAAAACACTC | CCTCTTTTTT | CCCCCAAAT | 131940 |
| GCATGTTTCC | ATTTTAACAG | AACCCGTATT | TAATCAGCAG | ATTTCTATGG | TGGCTAGATT | 132000 |
| TGTAGACTAA | ATATTAAAAG | TCCCAAAGCA | AATGCATTTT | TCTCTTAAAT | TTTACTGACT | 132060 |
| TTTTTTTTTT | TTCTTTTTCT | GAGACGGAGT | CTTGCTCTGT | CGCCCAGGCT | GGAATGCAGT | 132120 |
| GGCACAATCT | CGGCTCACTG | CAACCTCCGC | CTCCCGGATT | CACGCCATTC | TCCTGCCTCA | 132180 |
| ACCTCCCGAG | TAGCTGGGAC | CACAGGCGCC | CGCCACCACG | CCCAGCTAAT | TTTTTGTATT | 132240 |
| TTTAGTAGAG | ACAGGGTTTC | ACCGTGTTAG | CCGGGATGGT | CTCGATCTCC | TGACCTCATG | 132300 |
| ATCTGCCCAC | CTCAGCCTCC | CAAAGTGCTA | GGATCACAGG | CATGAGCCAC | CGCGCCCCGC | 132360 |
| CTACTGACTT | TTATCCAAAG | AAAATATAAG | AGCTCTTCAT | CATAACGTAT | GTTTCTTGCT | 132420 |
| CTTGTTATTA | AATATGACAC | ATTTAGACTT | AAACTGATTT | GAAGGTTTAT | GACATTGTTT | 132480 |
| AAGTTATTAC | ATAATTAATT | CATAAAGATA | ATGACTAGTT | TGAACTACTG | ACAGCTCACA | 132540 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|--------|
| CATCATCAGT | TGAACAGCAG | AAAGCTTACT | AAGCTACTTT | CTTATGTTTC | TGTCTCCCAG | 132600 |
| CTACTAAAAG | AAACGAAACC | CTTCCAGGTG | TTAAGGCAAA | ACTTTCTCTC | CCCTTTCTTC | 132660 |
| TATAAATCTG | ATTCCATGTT | AGTGAAATTT | CTACTGATGG | CTTTGGTTTC | CTCTATAGTA | 132720 |
| GAATAGAGAT | CCTATGGCAA | AAGTCATGTC | TGACATGGTA | GCAAATAGAA | ATGGGGAAAA | 132780 |
| GGAAGGTCTG | CAAGAGCCAA | TGTGGGAAAT | GGGGAGAGGA | CTGACTACAA | AAACCCAGCA | 132840 |
| GGAATTCCAG | AAGAAAACTC | CTCAGGACGG | GCACATTGGC | TCATGCCTGT | AATCCCAGTA | 132900 |
| CTTTGGGAGG | CCGAGGTGGG | CAGATCACTT | GAGTCCAGGA | GTTTGAGACC | AGCCTGGTCA | 132960 |
| ACATGGCGAA | ACCTCATCTC | TACAAAAAAT | AAAAAAATTT | GTCAGGCGTG | GTGGCATGCA | 133020 |
| CCTGTAGTCC | CAGCTACTCA | AGAGACTTAA | GTGGGAGAAT | CACTCGAGCC | TTGGAGGTGG | 133080 |
| AGGTTGGTGA | GCCGAGATCA | CGCCACTGCA | TTCCAGCCTG | GGCGACAAAG | TGAGACGCCA | 133140 |
| TCTCAATCAA | TCAGTCTCCT | CGAAAAGCAA | CATTATGGAG | AGACAGGATT | CCGTCAAGGC | 133200 |
| CTGGGGCACA | CAGGAAAATA | TTAAGGCAGA | AGAGAGTTTC | CTCCCCACAC | CACACCGTAT | 133260 |
| CCCACAGGCA | CTGCGGATGT | GCATATGCAA | GAGGGGTTGA | TCCTAAGAAT | TTAGAGTCAC | 133320 |
| AGAGGAGGAG | GCACCAAGCA | GACTGTGGAG | AAAGTCATGA | CCAGAAAGGG | ACAGAATGTA | 133380 |
| AAGCTTCAGC | TGATTATCTG | GCCTCAGGGA | TTCCAGAGGA | ACTGGTCCCA | ATGGTCTCCT | 133440 |
| GGTGATGTAG | GTTCTTAGGT | TTCTTTTACA | GGGGTTTTCT | GGGAGATCGT | TGACCCAGTT | 133500 |
| AGCATTCAAG | CAACTTCCAC | CCTGCACTTT | TATTCTTTCC | CCTTCACCTG | CTTAGGTTTT | 133560 |
| ATCTGTCCAG | GAAATAATAA | TAAAATTATT | GAGCCCTGGA | CATGTACCTG | TAAAGCTCCT | 133620 |
| TAAAGATGAT | GCCTTCTAAC | TCCTCATTCA | ACAGATACAA | AAACATTACA | ATAAAATGAC | 133680 |
| TCATGCAAGA | CACCCAGGTA | GTTTATAGCA | GCTAATAAAA | ACAGAATAAC | TATAAAATAT | 133740 |
| GGTAAGTTTA | TAAAAGTTAC | ATTGAGTATA | CTTTATAAGA | ACTGCTTATT | GAGTTTGCCT | 133800 |
| AATAACCACA | CAGCACAATA | ATAATATGTA | TATATTTTTA | AATATGTGTA | AATATGTGTA | 133860 |
| ACACAAACTT | GTAGAAGGTA | TATCTGAGTA | CAACCCTATT | CTGTTTGGTT | ACCTTTTCTA | 133920 |
| GTTTATTATG | TAAGTGGCAT | AGCTACCTAA | GGACTTATGC | TTATAAATGT | TACTCAAAAA | 133980 |
| AATACAGAGG | ACATATGTGG | ATAGATAATG | GAAGAGATAA | GATAGGTAGG | TTGAAGGGTT | 134040 |
| GGGCTGCCCC | TCCACACCTG | TGGTTGTTTC | TCGTTAGGTG | GAATGAGAGA | CTTGGAAGG | 134100 |
| AAAGAGACAC | AGAGACAAAG | TATAGAGAAA | GAAAAAAAGG | GGTCCAGGGG | ACCGGTGTTT | 134160 |
| AGCATACGGA | GGATCCCACC | GGCCTCTGAG | TTCCCTTAGT | ATTTATTGAT | CATTATTGGG | 134220 |
| TGTTTCTCGG | AGAGGGGGAT | GTGGCAGGGT | CAAAGGATAA | TAGTGGAGAG | AAGGTCAGCA | 134280 |
| GGTAAACACG | TGAACAAAGG | TCTCTGCATC | ATAAACAAGG | TAAAGAATTA | AGTGCTGTGC | 134340 |
| TTTAGATATG | CATACACATA | AACATCTCAA | TGACTTGAAG | AGCAGTATTG | CTGCCAGCAT | 134400 |
| GTCCACCTC | CAGCCCTAAG | GCAGTTTTC | CCTATCTCAG | TAGATGGAAT | ATACAATCGG | 134460 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|-------------|--------|
| GTTTTACT | GAGACATTCC | ATTGCCCAGG | GACGAGCAGG | AGACAGATGC | CTTCCTCTTG | 134520 |
| TCTCAACTGC | AAAGAGGCGT | TCCTTCCTCT | TTTACTAATC | CTCCTCAGCA | CAGACCCTTT | 134580 |
| ACGGGTGTCG | GGCTGGGGGA | CGGTCAGGTC | TTTCCCTTCC | CACGAGGCCA | CATTTTCAGAC | 134640 |
| TATCACATGG | GGAGAAACCT | TGGACAATAC | CTGGCTTTCC | TAGGCAGAGG | TCCCTGTGGC | 134700 |
| CTTCCTCAGT | GTTTTGTGTC | CCTGAGTACT | TGAGATTAGG | GAGTGGAGAT | GACTCTTAAC | 134760 |
| GAGCATGCTG | CCTTCAAGCA | TTTCTTTAAC | AAAGCACATC | TTGCACAGCC | CTTAATCCAT | 134820 |
| TTAACCTGA | GTTGACACAG | CATATGTCTC | AGGGAGCACA | GGGTTGGGGC | TAGGGTTAGA | 134880 |
| TTAACAGCAT | CTCAAGGCAG | AAGAATTTTT | CTTAGTACAG | AACAAAATGG | AGTCTCCTAT | 134940 |
| GTCTACTTCT | TTCTACACAG | ACACAGTAAC | AATGTGATCT | CTCTCTCTTT | TCCCCACAGG | 135000 |
| AGGTGATGGC | CGGAAGAACA | TGGCAGAGGG | CAAAACAAAA | CAGCATTGGG | AACAAGCTCT | 135060 |
| GTTTAAAAGG | AGACTTGTGA | ACAGCAAAGA | GTAAGAAAGG | TTCTCTTACA | ACTGAAGCCC | 135120 |
| ATGGAAGACA | AATGTGTACT | GCGTGAGTTT | TAAGGCAATA | GGAGTAGTGG | GACCTAGGGC | 135180 |
| ACACCAGAGA | GCATATTAAC | TCTCAAACCT | TTAAAAACAT | TATATCTGCT | GGACACAGTG | 135240 |
| GCTCACACCT | TAATCCTACA | ACTTTGGGAG | GCCGAGGCGG | GCGGGTGTAG | CTTGAGCCCA | 135300 |
| GGAGTTCGAG | ACCAACCTGG | GCAACATGGC | AAAATCCCGT | CCCTACAAAA | CAAACAAACA | 135360 |
| AAAAACAAAA | TTAGCCAGGC | ACGGTGATGC | GTACCTGTGG | TCCCAGCTAC | TCAGAGGCTG | 135420 |
| AGGTGGGAGG | ATCGCTTGAG | CCCCGGGAGG | TTAAGGCTGC | AGTGAGCCAT | GATAATGCCA | 135480 |
| CTGCATCTCA | GCCTGGGCAA | CAGAGGGAGA | ACCTGTCTCA | AAACAAAAAC | AAAAACACAC | 135540 |
| CATACCCAAC | CACAATGCAT | CTGTCTTAAG | TACCAGTACC | ACACCCCTCT | ACTCACTACT | 135600 |
| AAATAGGTGA | GTTCCCAATC | CCTGGTAGCA | GGTTTAAGCA | TGTTATATTA | AAGGTCTTAG | 135660 |
| GCTAGTGACT | CATTCACTCA | TTAAACAAAT | ACTTATTGTG | CATCTACTAT | AAACTAAGTA | 135720 |
| CTGTGCTAGG | TACAAAAGCA | AATAATCTAA | GCTCTATAAA | CTTTACTTTC | TTCATCAACA | 135780 |
| AAATGGAGAT | GTTTTAGGCA | TCTACTCATC | ATTCTGAGCT | CCATCTTTTG | TGACTGTAGT | 135840 |
| TGGCAGAGCT | TTTTATCAGT | TTCTCTAAAT | AGCTCTACCA | GTCCCTGGTG | GATGCTGGCA | 135900 |
| TGCCCCAAAG | ATCCATCCTG | ATGGCCCTGT | CTGCTTACCT | TACCTGCCTG | CCTTTGCAGC | 135960 |
| ACCGCTCTGC | TCTTCTGCAG | GACTTCCCTT | ATCCTTTGGG | GTCTTGCTGC | TCTTAGGCTG | 136020 |
| CTCTGCTTGT | TTTGATCTGC | TTTGCATCAC | ATGTATGTAA | AGGTCCTTTC | CTTATTTACC | 136080 |
| CATGACCAAG | GTATTATGAG | ATTCTGGAAT | TTCCCCAAAC | CACATTGATT | GCTGGGAGAA | 136140 |
| TAGAAGAAAGT | GGATTACAAG | TGGAACCTTAG | AAGGGGAGTA | TTGAGAAGA | CGTCTCTGCA | 136200 |
| AATCCATTTA | GAGAGACCTT | TCTCCAGTGG | TGACTCAAAG | ATGCAGCTCC | TTTCATCCTG | 136260 |
| TGGCTTGCC | ATCTTCAGCA | CATGGCTCCC | AAGGATGTCC | TCAGGATGGT | CTCTAATCCA | 136320 |
| AGGAGCCTGA | AGAGAAAAAA | AGGCATGGAG | TATTGTGAGT | GGTAGGTGGT | TATGGACCAG | 136380 |

| | | | | | | |
|------------|------------|------------|-------------|-------------|-------------|--------|
| TTATGGAAGA | ATACACATCA | CTTTTGCCCA | CCTTCTACTA | ACCAGAACTC | ACACAGCCAT | 136440 |
| AGACACTGAC | AAGTAGGACT | TAACAAGAAT | CTAATTTTGA | GTCTAGGAAT | ACGACTGTAG | 136500 |
| CAAATATTTA | ACAGCTTCAA | ACACAGGTGC | ATTGCTATCA | CTATGCTTGG | CCCAGGCCTG | 136560 |
| TCTCCCTTTC | CTGCCATGTC | ACAGGGGCCA | GCATTTATGT | CTAGATTGGG | TTGGTTGGGA | 136620 |
| TATTAAGACA | ATAATGAACC | AATACAACAT | CTTGAGCATA | AAACCAACTG | ATACAATGAT | 136680 |
| GTACAAGTCA | GATGATTCTG | ATGATTATGA | ATTATGTCAA | TAAAAGAAAT | GTGATAACTA | 136740 |
| AGGTAATTTT | TGTTTTGGCA | AATTTTTTGT | TGTTTCATGAC | AGGATGAAAT | CCTGTCATTT | 136800 |
| GTAGCAACAT | GGATGGAATT | GCAGGATACT | ACATTAAGTG | AAATAAGCCA | GAAACAGAAA | 136860 |
| GTTAAACACC | ACATGTTCTC | ACTTATATGC | AGAAGCTAGC | TAACTAAGTA | AATAAGTTTA | 136920 |
| TCTCATTGAA | GTAAAAAGTA | CAACAGAGAT | TACTAGAGGC | TGGGAATGGT | AGGGGAAAGA | 136980 |
| GATGATAAAG | AGAGATTCGT | TAAAATAAGT | TACAGCTAGA | TAAGAGCAAT | CAGTTCTAGT | 137040 |
| GTTCTATTTG | TACTACAGAA | TGGCAATAGT | TAACAGTAAT | AAATAATTTT | AAAGAGCTAG | 137100 |
| AAAAGAGGAC | ATTGAATGTT | TCCAACACAA | AGAAATGAGA | AATGCTTGAA | ATAATGGATA | 137160 |
| TTCTAATTAA | TTACCCTGAT | CTGATCACTA | TACACAGTAT | GTATAAAAAT | AACACTATGG | 137220 |
| GCTGGGCGCA | GTGGCTCACA | CCTGTAATCC | CAGCACTTTG | GGAGGCCAAG | GTAAGCAGAT | 137280 |
| CACTTGAGGT | CAGGAGTTAG | AGACCAGTCT | GGCCAACATA | GTGAAACTCC | ATCCCTACTA | 137340 |
| AAAATACAAA | AATCAGCCAG | GCGTGGTGGC | ATGTGCCTGT | AATCCCAGCT | ACTCAGGAGG | 137400 |
| CTGAGGCAAG | AGAATTGCTT | GAACCCAGGA | GGCGGAGGTT | GCAGTGAGCC | GAAATCGCGC | 137460 |
| CACTGCACTC | CAGCCTGGGT | AACAGAGCAA | GGCTCTGTTT | CAAAAATAAA | TAAATACATA | 137520 |
| AATAAATATT | TTTTAAAAAA | AGAACATCAC | TATGCACCCC | ATATATACAT | ATAATTATTA | 137580 |
| TGTCAATTTG | AAACATAATT | TTGAAAAATG | AAAAAATGAA | ACACAAATAT | GAATCAATCC | 137640 |
| TCTCCAAGTT | GATATACTTA | AAAGGAAAAA | AGTCCGAGGG | CTTAAACTAT | TCAATCAAAA | 137700 |
| TTTTATTAAA | ATGCTATAGT | AATCTGGAAA | GTATTTTCTA | ATGAATTGGT | ATAAGGTTAG | 137760 |
| ACACAAAGAT | CAGTGAAACA | AAACAGAGAA | CCCAGAAATA | GATTCACACA | TCTATGGACA | 137820 |
| ACTGGTTTTG | ACAAAGGTGT | CAAGGCTATT | TAATAAGTAA | AAAAATCGTC | TTTTTCAGTAA | 137880 |
| ATGTTTCTTG | AACAAGTAGA | CATCCGGTGT | GGGGGAGAGG | AGCAGGAGCC | TTACCTCAAA | 137940 |
| CTTTATGCAA | AAATTAACCT | AAAATAGACC | ATAGACTTAA | ATGTAAAAAGC | TAAAATTATA | 138000 |
| AAACTTCTTT | AAAAAATAGG | AGAAAATCAT | CAACACCCTA | GGATTAGCAA | AGATTTCTTT | 138060 |
| AAAACAAAAC | AACAGGTTTA | TAGTTTATAA | AACATAAATA | ACAAAATGAT | AAATTTTCATC | 138120 |
| AAAAGTGAAA | ATTTGCTTTT | CAAAAAACAT | TATAAAATGA | AAAGCAGGAG | GCTGAGGCAT | 138180 |
| GAGAATCACT | GGAACCCGGG | AGCTACAGGT | TGCAGTGAGC | CAAGATGGTG | CCACTGCACT | 138240 |
| CCAGCCTGGG | TGACAAAGTG | AGACTCTTCC | TAAAAAATAA | ATAAATAAAT | AAATAAATAG | 138300 |

| | | | | | | |
|------------|------------|------------|-------------|-------------|-------------|--------|
| AAAAGAAAAA | GAAAAATCAC | AGGCTGAGAG | AAAATATTTA | TAATACATGT | ATCTGACAAA | 138360 |
| GGACTCGCAC | CTGGAAAATA | TAAGGAACCT | TATAACTTAG | TAAGATGACA | AGCCAAAACA | 138420 |
| AAGAGTAAAA | GTTTTCAACA | GACATTTTAC | AAAAGAAAAC | ATACAAATGG | CCAGTATGCA | 138480 |
| CATGAAAAGA | TTTTAAACAT | CATTAGTTAC | TAGGGAAATG | CAAGTCAAAA | CCACAATGAG | 138540 |
| ATACTTCACA | TTCAACAGAA | TAGCTAATGT | TAAAAGGACT | GACAATCCCC | AGGGTGAGCA | 138600 |
| AGGGTGTGGA | GGAAACTACT | CTCATATATT | GTGAATGTAA | GAGGACAATG | TTACAACTAC | 138660 |
| TTTGAAAAAA | GTTTGGCTGT | TTCTAACATA | AAATTAAACA | CTTATACAGC | CCAGCAATAT | 138720 |
| TTCTGGGTCA | TTTCTCCAG | ATAAATGAAC | ACATGTCCAT | ACTATGACAT | GTACAAATGT | 138780 |
| TCATACTGGC | TTTGTTTCAC | AATGCTATAA | ACTGGAAAACA | ACCCACGTGT | CCATCAACAG | 138840 |
| GTGAATGGGT | AAATAAATTG | TAATATATCG | GCCAGACGCA | GTGGTTCATG | CCTGTAATCC | 138900 |
| CAGAACTTTG | GGAGGCCAAG | ATGTACGGAT | CACCTGAGAT | CAGGAGTTTG | AGACCAGCCC | 138960 |
| ATCCAACATG | GTGAAACCCC | ATCTCTACTA | AAAAATTAGC | TGGGCATGGT | CACGGGCGCC | 139020 |
| TGTAATCCCA | GCTACTCGGA | AGGCTGAGGC | AAGAGAATCA | CTTGAACCGA | AGAGGCGGAG | 139080 |
| GTTGCAGTGA | GCCAAGACCA | TGCCATTGCA | CTTCAGCCTG | GGCAACAAGA | TGGAACTCC | 139140 |
| ATCTCAAAAA | AAAAAAAAAT | TGCAATATAT | CTATATCTTG | GAATATTATA | AAGCAATAAA | 139200 |
| AGGGAATAAA | CTACTGATAT | ATACACAAAA | TGGATGAATC | TCAAAAATGT | GAAGGAAAAT | 139260 |
| AAAAAATACA | TATGATATAA | ATTCCATTCA | TATGAAATTT | TAGGAATGGG | AAAATAAGC | 139320 |
| TGTAATTATG | GAAAGTACAT | CAGTGGCTGC | CTGGGGCCAA | GAGGATGGAA | GAGGCGGCAC | 139380 |
| AGGTGATACT | ACAAATGGAA | ACTATCTAGG | TTGACGGAAG | TGTTCTGTAA | CTTGATTACA | 139440 |
| GTAGTAACTG | TTTGGGTATA | TAAAACGCAT | CAAATTGTAT | AATTAATACA | GGTGTATTTT | 139500 |
| ACTGTGTATA | AATTATTCCT | CAATAAAGTT | GATTTTTTCAT | TAAATATATT | ATTTGCTAAA | 139560 |
| ATGAGGAGAG | ACAACTATTA | TCTTAAAATA | GTTAAGCACA | ATAAAAATAC | TACAATCAAC | 139620 |
| TCATTATATA | TGGAAATTAA | AGGAGAAAAA | TAGTGGTATG | ATTAATTAAA | ATAAAAAGAA | 139680 |
| AACCTTCTAA | ATTTTATCTT | AGCTCATAGT | TGTAAGAGCT | GCCATCCCTA | ACCAAGGCCA | 139740 |
| CCCTTGACCC | TTTCTCATGT | TCCATCTTTC | TGTTTGTTTC | ATAGTTTATG | TCTCACCAAA | 139800 |
| ATCTATCAGA | TAAACGTATT | CATATGAAGA | TTTAAATATA | TTACATGTTA | AGCCTTAGCG | 139860 |
| AATACTTCAA | TATCTAAAGA | AGGTACAAAC | AAAACAAAAA | TCAACACTTA | GTTATAAGAG | 139920 |
| ATTACATACT | CTCCAGGGAA | GACCTGAAGA | CTAGCCCCCT | TCTGGATCCC | ACTAGCCCCCT | 139980 |
| CATCCCCTC | CAAGCCCTCC | CCTCCAATCC | CATATGCACT | GGGCATTTCAT | ACAAATAAGA | 140040 |
| CCATCAGCTC | TGGATATCTG | TACTGATTGA | TGCTCCTGCT | AACTACCTGA | ATGATTGCGA | 140100 |
| TGTAAGGACA | GCACTGCCTG | AATCCTATTT | ATCTCTCGCT | ATGCCATAGC | GGCCTTCCAT | 140160 |
| GCTGATGGCG | TGTTTGAGGA | TCCAGAGGGG | TCTTTGGTTG | GCAGGATTGT | TTTATTTCCC | 140220 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|--------|
| CAAGAGGAGA | GCCTTGATGC | AAAAATAGGT | GAAGAAATCA | GTACAACAAA | ACAGAAAGCC | 140280 |
| TAGAAACTAC | TATGAACACA | ATAGAGCAGA | AGTAGCCTTA | AGAGTTGGTG | GAGAAAGGAT | 140340 |
| GGTCTATTCA | ATTACCTGGG | CTGAGAAACT | GGCTTTCATA | TGGAATAAAA | ATAAAATTAT | 140400 |
| AGCTATACCC | CATATCATAC | ACAAAAGTTT | CTACATCTAA | CAAAGACACA | GATAGAAAAT | 140460 |
| GTTTTTAAAT | TTTAGAAGAA | AATAGTGCAG | AATTTTAGTG | CAGAATTTCT | TAGACTAGAT | 140520 |
| GCAAAAACAA | AAATGATTAA | AGTGGCCAGG | CACGGTGGCT | TATGCCTGTA | ATCTCAGCAC | 140580 |
| TCTGGGAGGC | CGAGGTAGGT | GGATTAGTGG | AGGTCATGAT | TTCGAGACCA | GCCTGGACAA | 140640 |
| CATAGTGAAG | CCCCATCTCT | ACTAAAATAC | AAAAATTGGT | AGGGTGTGGT | GGCTCACGCT | 140700 |
| TTTAATCCCA | GCTACTTGGG | AGTCTGAGGC | AGGAGAATCA | CTTGAACCTG | GGAGGCAGAG | 140760 |
| GTTGCAGTGA | GGGGAGATGG | CGCCACTGCA | CTCCAGCCTG | AGCAACACAG | CGAGACTCTG | 140820 |
| TCTCAAAAAA | ATCTAAAAAT | AAAAAGATTA | TTTTTAAAAG | ACTATTTTAA | ACAAAAAAA | 140880 |
| TCGTTTAAAT | GATATGACAC | ACTACATCTA | ATATTTGGAA | AAGTACTTCT | TAATACTTTT | 140940 |
| AATAAAAAGA | GGCGCTGAGA | GCATACAACC | TATCCTCAGA | AGAGTGTTTG | ACCTCTAGGA | 141000 |
| GGGACGCAAG | CGCGTTCTTC | CTTCATTTTA | ACTGGTCATT | TTCATTTATT | TCAGGAACAT | 141060 |
| CTGAAGTAAA | CACAGTCACA | CGTTAACCTT | TAAAAATCTA | GGAGGTGCGT | ACGCATAGTT | 141120 |
| CCATTACTTC | AATTTTTGTA | CTTTTGCAAT | TTAAATATATC | ACAGGGAAGC | TCGGTACAGC | 141180 |
| TTCAAGGCTA | GGAGGGGTGG | CTCTCTCTTA | AGCCCTGTCC | CCGCCAGCCC | CAGACCTCTC | 141240 |
| GTCCCGCCCC | CATTGCCAG | TCCCCACCCT | CACTTCCCCA | TTTCCCCACT | CCCGCGGTCT | 141300 |
| CTTAACGCAC | CTCGTTTTTC | GTCCAGTGGA | CTCAGACCTG | TAGTCTTCCA | CCAGGATCGG | 141360 |
| CTCCTTTCCC | GGAGCTCTCG | CTCTTAGAGG | AAATTGAGAG | AAGCATCAGC | GGAGACCCAT | 141420 |
| CTGTGGCTCT | CCAGAGGGCG | CGGCATTCAG | ACCCAGATC | CAGCTGTGAG | AACGGACCCC | 141480 |
| AGGCTCACAC | CAGGCTGCG | GGAGGCGGCC | CACCAGAGGC | GCTAGAAAAC | AAGCCTCGCG | 141540 |
| GGGAGGCGCG | CAGGGCGACT | GCAAGCTGTA | GGGGGCGCTG | GCGCCCTCAC | AGGCCAGGGG | 141600 |
| CAGGGCCGGC | GCTGCGGGCG | GGGCTCCTGC | GGCGTGAGGG | GCGGCCCCAG | GCCAGCAGCT | 141660 |
| GCGCCCTGGC | TGGGAGCCGG | GGAGCATTTG | CTGCTCTGCT | GGACCCTGAG | TCTGGCGGCG | 141720 |
| GGCGGCCTCC | TCTCCGCTCC | CCGCCCAGCA | TCCCCAACT | CCCGATCTCT | CTGCTGCGTC | 141780 |
| TGGCCTCAGG | CTGAGACCCC | AACGAATCAT | TCCCCGCATG | GGAACATTTT | ATGATATAAC | 141840 |
| TGAATTCAGT | TTTATGTATA | ACTGAATTAC | GGATATGAGA | ATCTCAAATG | AGGACGAATG | 141900 |
| GTTTTTACGC | ACAAAACATG | AGACACAAAT | CTGTAAGAAA | TATAAAGTCG | TGACCACGTC | 141960 |
| CTTTCAGAAC | TTTAACCTGT | TTGCTGAAGT | ACGTCAGTAA | CAATGGCAGG | GAAAGGGTAT | 142020 |
| CTTAAATTTT | ACCACAGCCT | CAAAGAGGCC | ATTTCTGTGA | TCCGCTGAGG | CTTGGAGTCG | 142080 |
| GCCTTCTGAC | CACGAGTCCT | GCGGCTATGA | AAGAGGAAGC | GCGGGTTCAG | GGCGTCCTCG | 142140 |

| | | | | | | |
|------------|-------------|------------|------------|------------|-------------|--------|
| CGAGTCGTGC | AGCCCCGCCCT | GCTCCAGCTG | GGGACACCGG | TGGTCACGGC | GCTTTCCAGC | 142200 |
| TGCAGATCCA | GGCGGCAGCC | CAAGATTTGG | TCCAGCCGCC | AAGGGGTGGC | TCGAGTGA CT | 142260 |
| GACGGGCCTT | GAACGCTCCC | AGGACCCACA | TCTGGAGAGG | GAGGTGGGGG | TGGGGTGCTG | 142320 |
| AAGTCATTCT | TGGGGCCCCCT | GGGGGCGGGC | ATGGACCTGG | GTAAGGCCAG | AGAAATTGAC | 142380 |
| ACCTCGTGAC | ATCCCTGGAA | GAGAAGTACG | TTCAGTGTCA | CTCCAGAGCT | GAAACCGCCT | 142440 |
| TCTGGCTGGT | CCCTCCTCAC | CTACATACTT | TTCTAATTTG | TCTGGAGCAG | GCCGGGCATC | 142500 |
| TGTATTATCT | GGTTATTTAA | ATATCTGGTT | ATTTAAAAGC | TCTCCATTAA | ATTCACATAC | 142560 |
| ACGAAAATAA | AAATTA AAAA | AAATTTTAAA | AAAAAGAAAC | AAAAGCTCTC | TAATGACCAA | 142620 |
| GTCCTACACG | ATAGTGAATA | AATTTTTTTT | TGTGGTCCCT | AAAATTGAGT | TCATGCCTTT | 142680 |
| TCTGAAGTAA | TAGACGCCCA | GAGAAGGGAT | CGACTTACCC | ATCATGCCAC | AGAGATTAAT | 142740 |
| TGGCCCCAGA | ATTCTTTAGC | AGACCGTGTA | TATGAACGTC | CTTTGCAATC | ATATAAATTA | 142800 |
| ACTGGGAAAA | CCTCATTTAG | TATGTTACAT | GCCTAGCGTT | TTGTGCCTGA | ACACCTTACA | 142860 |
| AGAACCAGGG | ACTATTGCCC | CAATATTATA | TTTCAGGAAA | GGAAGGCCCA | GACAAATGGT | 142920 |
| GTCACTGGTC | CACTTTTACC | CAGTTGGTAA | ATGAAACCAG | AAATTATAGC | TGTACCACAG | 142980 |
| AAAGGTGAAA | ACGTTTCTTT | TATAATTTCA | CATACAATCT | TTAATGGACC | CAGTGTCCAA | 143040 |
| CACATTAAAG | CAAGTGCTCA | GGAGTGACAT | CAAGATGTAA | AAAATAGTCC | TGTCCTCAGG | 143100 |
| GAGTTTAGGT | CTTGGAGAAA | AGAGACCCAA | GGAGACACAA | GACAAAGGGG | AAAGAGAAGG | 143160 |
| AGCGCTGAAG | ACTGAGGACC | CTGCCTGTGG | ACTGAAGTGA | GGATGGGGAC | ACCCGATGCC | 143220 |
| CGGAATATGA | CAGTTTGGAG | GGGCCTGAAG | GACTCTTCTA | TTCTCTATCA | GAAAAACAGA | 143280 |
| ATTACTCTCC | TAACCAGAAA | AGGTATTTCA | ATTTATATTT | TCCATCACAG | CACTTTTCTG | 143340 |
| GTGATAATTT | AATGTGTTTT | AAAAAATGTA | TCACAGTGAT | GGCCTGGTGT | GAAATAAATA | 143400 |
| ATAAAATTTT | AAGAATTAAA | AAATATAAAA | ATCTTTTATA | TAGACATTAG | GAGTTACAAG | 143460 |
| GATAACTGTG | AATTATAATT | AGTAATTAAA | TTGAAATACT | GATTATTTTC | ATTTTTATTT | 143520 |
| AATTATTTAA | TAAAACCTAT | TTAACATTTA | ATATTTATCA | GTAATTAAAT | CTAATTGTTA | 143580 |
| ATATTTATTA | TTATAAATTA | TTTTAGAATT | AAAAATAAGT | GTAGAAGCGA | GGCATGGTGG | 143640 |
| CTCAAGCCTG | TAATCCCAAC | ACTTTGGGAG | GCTAAGGTGG | GAGGATTGCT | TGAGCCCAGT | 143700 |
| AGTTCAAGAC | CAGCCTGGGC | AACATGGAGA | AACCCTGTCT | CAATACAAAA | AAATGAGCCA | 143760 |
| TGTGTGGTGG | TGCGTGCCTG | TAGTCCCAGC | CATTCTGGAG | GCTGAGGTGG | GAGGATGACT | 143820 |
| TGAGCCTAGG | CAGTCAAGGC | TGCAGTGAGC | CCTGATCTTG | CCACTGCACT | CCAGTCTGGG | 143880 |
| CAACAGAGCA | AGACCCTGTG | TCAATATACA | TATGGACAAA | CTTAAAATTT | AAAATGAAAG | 143940 |
| CATACTACTG | ATACAGAATT | GAGTAGAGAT | GCAAAGCTAG | TCCTATAACC | AGAACAATAA | 144000 |
| AGATAAAAAG | GAGAGTGGAA | GAAGGTATGT | CATGAATTTT | ATGATAAATG | GCAATTGCAA | 144060 |

| | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|--------|
| ATATCCTGTA | GCAGAACAAA | ACAACAAAAC | TGTAGATAAA | ACATATCCAA | CCCTTTGGAA | 144120 |
| GGCCAAGGAG | GGAGGATTGT | TTGAGCCCAG | AAGTTGGAGA | CCAGCCTGGG | CAACATAGTG | 144180 |
| AGACCCTGTA | TCTAAAAAGG | AAGAAAGAAA | AAAAAAAAAA | GGATGATAAA | GTAGACAATA | 144240 |
| TTGAAAGCCA | TTTTCTGCAA | ATACATAGTG | AATTTGATCA | GTAATTTTCT | TCCAACAGTG | 144300 |
| CAAAAATGAA | TAGATATTAG | TTGCCTGAAA | TAAAAATCAA | ATATCCAACA | AAAAATATTG | 144360 |
| ACTATCTAAT | AGTATCTAAG | CTAGTAAATT | TGGCCAGTTA | TAAAATGTCT | TAAATTTTTA | 144420 |
| TTTAAAAAAA | GAAAAACCATA | TTTATAAGAA | GAGGTGATAA | AGAGAAATTA | TTTCAGTTAT | 144480 |
| GAAGATTTTG | TTAGAAAAC | ATGAGAAAAA | AACTATTTTT | TGTTTTCAAA | AAGTGAAAGA | 144540 |
| TTAAGTTACC | AAACAGTTGC | TAAAGAATAC | CAGATGGCTG | AGCGTGGTGA | CTTATGCCTG | 144600 |
| TAATCCCAGT | ACTTTGGAAG | GCCAAGGCAG | GAGGATCATT | TTAGGCCTGG | AGTTCGAGAC | 144660 |
| CAGCCTGGGC | ACTGTAGCAA | GACCCGTCTC | TATTAAAAAA | AAAAAAAAAA | AAAAAAAGA | 144720 |
| ATACAAGACC | TTGCTAACAA | TAGCAAAGAT | CAATTAATTC | AAAATTTGAA | AAACTGTAAT | 144780 |
| TTATTTAGCT | TTAGAGTACT | CTCGTGATAT | GAGATTGCCA | AATTAATACT | TTGGGTGCAT | 144840 |
| TTCTTTTCTC | AAAGGACTTG | CAAATTTACA | AAGAAGTGTT | GAAGAAAAGC | CACACATTGG | 144900 |
| CAGGTAATGT | TTGCAAAAGA | CAGATCTGAT | GAAGAACAAT | ATTTTGTAGAA | TATACAAAGA | 144960 |
| ATACTTAAAA | CTCAACAGTA | AGAAAATAAC | CTGATTTAAA | GCAGGCCAAT | GACCTGAACA | 145020 |
| TCTGTTCAAC | AAAGAAGATA | CACAGATGCA | AGTATGCATA | TGAAAAGATG | CTTGACATCA | 145080 |
| TGTCATTAGG | GAAGTGCAAA | TTAAAACAAG | TAGATACCAC | TGCATACCTA | GTAGAATGAC | 145140 |
| CAAAATTTAG | AACACTGTCA | GCACCAAAGG | TTGCAAAGAT | ATGTAGCAAT | AGTAACTTGT | 145200 |
| TCATTACTGG | TGAGAATGCA | AAATGTGCAA | TCACTTTGGA | AGACAGTTTG | GTGGTTTCTT | 145260 |
| ACAAAAGTAA | CCATACTTTT | ACCATAAGAT | TCACCAATCA | CACTCCTTAG | TATTTATCCA | 145320 |
| AAGGAATTGA | AAACTTATCT | CCACACAAAA | ACCTGCACAT | AGATGTTTAT | AGCAGCTTTA | 145380 |
| TTCATAATTT | ATCCAAAAC | TGGAAACAAG | ATGTCTTTCA | GTAGGTAAGT | GGATAACTGT | 145440 |
| GGTACTTCTG | AATAATGGAA | TGTTATTTAG | AGTTAAAAAG | AAATGCATTG | ACTTTGGGAG | 145500 |
| GCCGAAGTGG | GTGGATTGCT | TGAGGCCAGG | AGTTTGAGAC | CAGCCTGGTC | AACATGGGAA | 145560 |
| AACCCCAATT | AGCCGGGCAT | AGTGGCGTGA | GCCTGTAATC | CCAGCTACTC | GGGAGGCTGA | 145620 |
| GATATGAGAA | TCGTTTGAAC | CTGGGAGATG | GAGGTTGCAG | TGAGCCAGTG | CCACTGCACT | 145680 |
| TCAGCCTGGG | CAACAGAGCA | AGACTCCTCT | GTCTCAAAAA | AAAAAAAAAA | AAGAAAGAAA | 145740 |
| AGAAAAAAGA | AAAAGAAAAA | GAAAAGAAAC | GATCAAGCCA | TGAAAACACA | TGAAGGAAAC | 145800 |
| TTAAATGTAT | GTTACTAAAA | AGCCAACCTG | AAAAGACTGC | ATACTATATG | ACTCCAACCTG | 145860 |
| ATGCAGGGCA | AGCAAGCCAA | AAATTAGGGC | TTAGCCCGGG | AAGAATTCAA | GGGTGAAGTG | 145920 |
| GTGGTGTTAG | CAACTTTTAC | TGAAGCAGCA | GTGTACAACA | GCAGAACAGG | TACTGCTCCT | 145980 |

| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|--------|
| TGCTGAGCAG | GGCTAACCCA | TAAGTAATGT | GCCCAGAGTA | GCAGCTCAGG | GGCAGTTCTG | 146040 |
| CAGTAATATA | CCTGCTTTTA | GTAAAGTGCA | TGTAAAGGGG | GATTATGCAG | AAATTTCTAG | 146100 |
| AAAAAGAGTG | GTAAC TTCGG | AGTAGGTACA | GAGGAAAGAA | GTCGATAATG | TCCTGTTGTT | 146160 |
| GCCATGGCAA | CGAAAAACTG | ACATGGCGCT | GGTGGGCGTG | TCTTATGGAG | AGGTGCTTTA | 146220 |
| ACCTCGTCCC | TGTTTCGGCT | AGTCTTCAAT | CTGGTCCGGA | GTAAAGTCCC | TGCCTCCGGA | 146280 |
| GTTCACTCCT | GCTTCCTGCT | TCACAACTGT | ATGACACTCT | AGAAAAGACA | GTAAC TATGG | 146340 |
| ACACAGTCAA | AAGATTAGTT | GATAGAAATT | GGGTGACAGG | AAGTGTTGAA | AAGGCAGAAC | 146400 |
| ACAGGATTTT | TAGGGCAGTG | AAACTTCTGT | GATACTATAA | TGGTGAATAC | ATGACATTAT | 146460 |
| ACATTTGTCA | AAACCCATAG | AAAGCACAAC | ACCAAGAATA | AACCCTAATG | TAAATTACAG | 146520 |
| ACTTTCGTTG | ATAATGACGT | GTCAATGTAA | GTTCAATTGT | AATAAATGTA | CTACTGTGGT | 146580 |
| GCTGGATGTC | TATGGTGGGG | GGACATTTTT | GCTTCAATAG | TTACAGTTGA | AGTAAATGTT | 146640 |
| TGTGTTTCCC | ACAATGCATA | TGTAGAAACT | CTCACATTCA | ATGTGATGGT | CTTTGGAGGT | 146700 |
| GGGCTCTTTG | GGTGATAGTT | AGGTTTAGTT | GAGATCCTAG | CAGATCGAGT | CTTCATGATG | 146760 |
| GGCATGATGG | GACTGGTCCC | TTATAAGAAA | AGACCAGAAA | GCTAGCTCTC | TCTTTGCCAT | 146820 |
| GTGAAGACAT | AGCAGGAAGG | TAGCCATCTG | CAAGCTAGGA | AAGGGCCTTC | ACAAAGAATC | 146880 |
| AACTCAGACC | TCAGAACAGT | GAGAGATAAA | TTGTCGTTGT | TTAAGTCACT | CAGGCTGTGG | 146940 |
| TATTTTGT TT | CAGCAGCCCA | ACCTAAGACT | GTAAATTGGA | TTAGAAATTT | CCTTTTGGGG | 147000 |
| ATGGTGTGTG | GCGGGCGGGG | GGCGGGGAGT | ACCTTTGT TA | AGCTTTTATA | TCAATGAGTT | 147060 |
| TGTAGGCTTT | TCTTTTTTGG | TCATTGACTA | GGACAGTTTA | AATAGTATGA | GTGTGAAGGA | 147120 |
| GATTGTTGGT | CATCTATT CG | ATGTCCCTTC | TCTGTTTTTT | AATATGAGAA | CTCCTGATTT | 147180 |
| TCAGCCAACT | ACCCTGGAAA | AAAAGCTAAT | CTTTCTGACT | TCTTAAGTGT | GGCCATGTAC | 147240 |
| TAAATTCTGG | CTAATGCAAG | GCAAGCCAAA | GGTTTTATGA | TAGGTTTTAG | GACACTAGAG | 147300 |
| TAAAAGAGAG | CTGTTGCACA | CATGCTCTTC | ACCCTACTTT | TGTGTCCTTT | TTCCATCCT | 147360 |
| ACAAC TTGGG | TTGTGAGTAT | GATGGCTGGA | ACTTTAGTGG | CTCTCTTGGA | TCCCAGGGGT | 147420 |
| AATTGAGGGG | TGGCTGGAAG | GAATCTGTGA | TTTTCTGGAG | TTTCCATACA | CAAACAAGAC | 147480 |
| CTGGATTTTC | TGGGCTTCCC | AGACTTCCAC | ATCTAGACTT | GCTTTAAATG | GGAGATAAAT | 147540 |
| AAACTTGTTT | CAGCCACTGT | CATTTTGGGC | TATTTTATAG | AACTTAATCT | AATCTTCAAG | 147600 |
| GGTACATGAA | TTGCTTTTCC | TTAAAAAAA | AATCAGCCAT | AAAATCATCT | TCTTTTTTCT | 147660 |
| TTTGT TCCCC | ACATTATTTA | GTTGGAGCTC | TGTAAC TTTT | TTTTTTTTTT | TTTTTGAGAC | 147720 |
| AAGGTCTTGC | TCTGTCACTT | AGGCTGGAAT | TCAGTGGCAT | GACCATGGCT | CACTGCAGCC | 147780 |
| TTGCCCTCCT | AGGCTCAAGC | AATCCTCGTC | TCAGCCTCCT | GAGTAGCTGA | AACTAAGGCA | 147840 |
| CATGCCACCA | TGCCCAGCTA | ATTTCTTTTC | TTT TAGAGAT | GGGAGCCTTG | CCCAGGCTAG | 147900 |

| | | | | | | |
|-------------|------------|------------|------------|-------------|------------|--------|
| TCTCAAAC | CTAGCCTCAA | GTGATCCTCC | CATCTCAGCC | TCCCAAAGTG | ACAGGATTAC | 147960 |
| AGGTGTGAGC | CACCATGCCT | GGCTGCTCTG | TAAGTGTCTG | AATTTCAATTT | TGTATTTATC | 148020 |
| AGTCTGTTTA | GATTTTCTTT | CCCTTCTTGG | GTCAGTTAGG | CCATTGGTTT | CTTTTTAAAG | 148080 |
| GTTTTCAAAT | TTATTTGCAT | CTAATTCTTC | AAATTACTCT | CAAAATTATT | CCAGTATATA | 148140 |
| TTCTTTTGTT | CCTATTTTCT | TCTGTATTCT | TTATTAAAAT | AGCTAATGAT | TTATCTAGCA | 148200 |
| GGACTTATAT | TCTTTCCATA | ACTTTCCTGC | ACCCCAATTA | ATCTCCAATT | TTATATTTCT | 148260 |
| TCTGGCCTTC | CTTATAGTTT | CCACAGGTTT | ATTTTATTCA | TTTTTTAAAA | CTTTTATTTA | 148320 |
| ATTGTTTATT | TTATTATCAT | TCTTTCTTAT | TCAGCAATCT | AAGTGCTTAG | GGATATAGAA | 148380 |
| TTTCCTCTAA | GCAGCATATG | CTAGGCTTTA | ACAATGTTAG | GGAGGCCTCC | CCTTTCTGGG | 148440 |
| GAAGACCACA | CTTACATTAA | CACAGGACTG | TGGGATGCCA | AGAGGTAGAG | AAGAGCTTAT | 148500 |
| GAATATCCAG | ATTACATCTT | CACTGATCCT | GCACAAAGGT | GGGGTTCCTC | GGTTACCCAC | 148560 |
| TGGGTCCTAT | TACCCAAGTC | TGGGTCAGCA | TACCGAGACT | ACGGGTATAT | AGAACAAGTG | 148620 |
| CAACTGGCGA | TAATCCTTCT | GTTGGGGAGA | AAAATCTTTT | TTTTCTATTCT | ATCTTAGGTT | 148680 |
| CTCCATCTGT | GGCCCTATCA | AGTAGACTAA | CAAAAGACAG | ATTGACAAGA | CAGAAACAAA | 148740 |
| GCATGTGCAT | TGTACAAACA | CAGGGGAGTA | CTGAGATGAA | TACTCAAAAG | AGGATTTAGA | 148800 |
| ACTTGGGCTT | ATATAGCATT | TTAAGAAAAG | AATACATTTT | TTAAGTGACA | AGGAAGACGA | 148860 |
| AAAGGACTTT | GAGTTTCTAG | TGCAGTAAAT | TGTGGGAAGG | CAACTTTTTT | TTTCCCTTTT | 148920 |
| TTTTTTTTTT | TTTTTAAAAA | AAAAGACTTC | TCTGGTGCTA | TGTCCAGGCT | GATAAGAGTC | 148980 |
| TAAAGTCTCT | GGTGACTAAC | TTTTGTTCTT | CCCCGAGTAA | GAAGACACCT | TCACAATTTT | 149040 |
| ATATCCTGCT | TTTAGGCAAA | TAGGGAGAGG | GCAGAGGTGT | TTGTTTGTTT | TTAATCTATT | 149100 |
| TTTTTTCTCA | ATTGTCTTCA | ACTCAAAATA | CTTCTTATGC | CAAAGATGGC | ATATTCTGCT | 149160 |
| ACCCCTTCACT | TACTACTTAC | AACCCAGCCT | CTATCATCAT | AATTAGAACT | TCTGACCCTG | 149220 |
| GGGAACATGG | GCAATAGTTT | GAATCTTTT | ATATCTCCCT | TAGGCAGAGA | TGGAGGCCCA | 149280 |
| GCCATGCCTC | TGACATCTAG | ACACAACGTG | TGCTTCATTT | CTCCTATTCT | CAGAGGTGAT | 149340 |
| GTTGTAGGAC | TTCAACAAAT | ATCAGTAAAC | ATTAATTTTT | TTTTTCCTTG | AGGCACAGCA | 149400 |
| TGATCTTGGC | TTACTGCAGC | TGCTGCAGGC | TCAAGCAATT | CTCCTGCCTT | GGCCTCACGA | 149460 |
| GTAGCTGGGT | TACAGGCCCC | TACCACCATG | CCCGGCTAAT | TTTTGTATTT | TTAGTAGAGA | 149520 |
| CAGGGTTTCA | CCATGTTGGC | CAGGCTGGTG | TTGAACTCCT | GACCTCAAGT | GATCCACCTG | 149580 |
| CCTCAGCCTC | ACATAGTTCT | GGGATTACAG | GCGTGAGCCA | CCATGCCTGG | CCATCAATTT | 149640 |
| TTATGTCAAC | TCTAAATTAT | AACATTTAGC | AATTTTGTGA | CTTTTTATGG | TCATCATTA | 149700 |
| TGTTGTTTAT | GTTTTAGTTG | TAGTCCTGTC | ATTACTCACT | CGGGTATGGT | AATTTGGTCT | 149760 |
| TTTTCAAAT | GAAGTTAAGG | TCTATTTGCT | CTTCTCTGAA | TCATAATAAG | AACTGCCAAC | 149820 |

| | | | | | | |
|------------|------------|------------|-------------|------------|-------------|--------|
| AGCCATTTC | GCAATAACT | TTTACTGAG | TTTTAAAATA | TTTCAAGGTA | ATTGGTCCTA | 149880 |
| GCAGACTGGA | AAATACCAAA | TTCTTTTCCA | GAAGTGAATC | CCCCATCAAA | GTTCAATTTT | 149940 |
| ACTCATAATT | CCCTTTTCAT | TTGAAGCATC | TCATTGTAAG | CCAGTCTTAA | CCCTTCTCTC | 150000 |
| ACACTTTGCT | TGGCTGTTTC | TCAGGTAGAA | CTCAGTAAAGT | CTGGTAGCCT | CCAGGACTGC | 150060 |
| CGCTTAGATT | ATTAAACAAC | ATGTCAGTGG | TTGGAAGAGT | CAATGTTATT | TTGATTTTTTC | 150120 |
| TGTTTTGTTT | TGTTTTAAAT | GCAGTTGGCG | GATAATTGCA | GCTTCTTTTC | ATTCCCTACA | 150180 |
| TGAGTTCAAA | TGGCAGCAAA | CAAAGTAGGA | GAACGCAGAC | CTTCTGACTT | GTGGGTACCC | 150240 |
| CTACTCATCA | CCTGAAGACC | CTTGGAATC | AAAGCCCTGA | CCCATTAAAG | ACGGATGGAG | 150300 |
| ACAGCAACAT | ACGATCATCA | CTATTATCTT | GCTTTGCCCC | AGTCCAGGTT | AACCATCTGT | 150360 |
| GGTATTTTTA | GTTGCTAAGT | CCATATATTC | AACATAAATC | AATTATATAT | CCACTAAAAT | 150420 |
| CTCAGCACTA | GTCTAACTAC | TAAGGAAATG | ACAGCGAAGA | AAACAGACCA | AACGTCTGCC | 150480 |
| CTTATGGGAT | TTATATTATT | TTCTCTGTGC | TGGTTAAACC | AAGGAGCTTC | TGCTCTTTTC | 150540 |
| CTTAGTCACC | TGGGGGAGGC | AGAAACAAAG | GAGAATATTG | ATAAACCTGG | AAATAGGGCC | 150600 |
| GGAGAGTATC | AGAGAAGGAA | GCCTTCGGGA | AAGTAAAGAT | GTGGCAGCCA | GTATTCCCGT | 150660 |
| TATAAAAGGA | TACAACTCCG | GCCTCATAGT | CCAGAAAAAT | TCCCACAAGC | AGGGGCTGCT | 150720 |
| CATGCAGATG | AAGGGAAGTT | GGGGGAGAAG | TAAGTGCTAC | ATAGCCTTTC | TTTTTGACACA | 150780 |
| GCCTGAGGGT | CCAGAATCCA | GACTGAGGCT | CTTGCTTCAT | GCCAGTGCCC | CTCTGCACAT | 150840 |
| TTTCCATACA | AACTCCTAAA | TCCCATCCGG | TTCTTCGCC | AACATCCACT | TCAAAGTAAC | 150900 |
| GTCTTCCTGA | GGTGAAGCCT | TCACAACCCA | AGACACAGGG | GAAGGCAGTA | AATCTCCTGG | 150960 |
| AAGATGTGTC | CTGATTCTCC | TGGGTGTATC | CACGAGTCAC | TTGTCTCCGA | TCCTCAGAGA | 151020 |
| GAATTAGTTC | GTGATGAGCT | GTATCTGGAT | CCAGAGTCAC | ACTAACTGCA | AAACAAAACA | 151080 |
| AAACAAAACA | AAATAATTTT | GTTGCTGTGA | AGAACACAGG | TTATTTTATT | TTATTTTATT | 151140 |
| TTGAGATGGA | GTGTTGCTGT | CACCCAGGCT | GGAGTGCACT | GGCACTATCT | CAACTCACTG | 151200 |
| CAACCTCCAC | CTCCTGGATT | CAGGCAATTC | TCCTGCCTCA | GCCTCCGGAG | TAACTGCGAC | 151260 |
| TACAGGTGCG | CACCACCACA | AGTGGCTAAT | TTTTTTAAAT | TTTCTGTAGA | GATGGGGTTT | 151320 |
| CGCCATGTTG | GCCAGGCTGG | TCTCAAATC | CTGACCTGAA | GTGTTCCACC | CACCTCGGCC | 151380 |
| TCCCAAAGTG | CTGGATTACA | CAGGTGTGAG | CCACCATGCC | CAGCCACAAG | TTATTTTCAA | 151440 |
| TAAAACCAGC | CTGTGTTCAA | ACCCAATAT | TGTTTCTTAT | AAACTGGGTG | AGCTTAGGCA | 151500 |
| AATCATTTAA | CTTTCTGAGC | CTCAGTTTGT | TAACTATAAA | GTGGAAATTA | CCGTATTTGT | 151560 |
| TGCAGAGAAT | GGTGGGTAGG | ATTGAATAAG | CTTATGTTTG | CTTAATGCTT | GGTAAAATTC | 151620 |
| CTGGTACATG | GTAACCACCT | AATAAGTGGT | AGTTGTTGGG | GTGATCAGGC | CCAACACCAG | 151680 |
| GCCGTGGGGG | CTACAAAGTC | CGGCGGGGTC | AAAGGAATGA | GAAAAGACAA | GTTAAGAGTG | 151740 |

| | | | | | | |
|------------|-------------|------------|------------|------------|-------------|--------|
| CATAAAGTGG | GTCCAGGGTG | CCAGCACTAG | ATTGGAGGCT | GCAAAGGCCC | TAAGCTCTGG | 151800 |
| GAGCCCACAC | TATTTATTGG | TGATCAAACA | AAGAAGCAGG | TGGTGAGGAC | GTGAGGGTAA | 151860 |
| ACAGGTGAGG | GCATGAGGAC | ATGGGGGTAG | AAAGGTAGTG | GTGCATTAAG | CGTAGCTGTG | 151920 |
| ACAGTTTAGC | ATTTTCTTTG | ACACATGTAG | AATATACTCT | GCTGCTTGAG | ATAGTAGAGG | 151980 |
| ACACGTTTAT | GAGTGAAAAG | CAAGGAACCA | ACAAGTCTGT | GCACTTTCCA | GAGGCTATGA | 152040 |
| GGGGTTTTAT | GCCCTGAGCC | CTGGGTTCCT | TCCAAGCCAC | AAGGGGTTTT | ATGCCCTAGG | 152100 |
| CTTAGATTTG | TGGTGCGGCA | GGGCAGCCTT | CCACCATTGT | GCACAGAGCT | TGGTGTTCCA | 152160 |
| AAGGCCACGA | GGGGTTTTGG | ACCCTGGACC | CCGGACATCT | TCCAAGACTC | TTTTACATTA | 152220 |
| TGACAGACAA | GCCAGTCCTG | CTTCAGCTCT | TCTAACAACA | TGTAGTAATA | ATGATATCAT | 152280 |
| CAACATCATC | TTCGTCTTAA | TTATTCAAGG | ATGCCAAGGT | ACAGAACTAA | CCTGTTAATA | 152340 |
| TGGTTACCAT | CCTGTCCAAA | GTTCTTCTCC | CATGCAGGAC | TTCCAGGAAT | CATGAGACAG | 152400 |
| TTGAGCAGAA | AGATACCTTT | TCCCTTCTCT | ACTGAATAAC | CACCAACATT | GAGAATCAGA | 152460 |
| GAGGGAAAAT | GA CTCAGCTA | ATGTCTTAGC | TTGTTATTGG | AAGACCCAGG | TCTCATGACA | 152520 |
| CATGCCTAGT | CCCATGACTT | TTAATTGTAA | GCTCTTCTCT | TTCCCCTCAG | ATAATGTTCC | 152580 |
| ATAAGCATT | GTATGAGATA | ATAATACACT | GAGGACCAAT | ATACATGAAA | AATATCAGAC | 152640 |
| TAGAATCAAA | CAAGACAGAA | AAAAGATCTG | ATAACCTAAA | GTGAGATACT | GAACAGTATG | 152700 |
| CAGTTTTTAA | AATAAAAAAT | GGTAATAGGA | TGTTCTAACA | AGAGAGTTAA | GAAACCACTG | 152760 |
| TGCTACTGAG | TTAAATGTTG | ATCAGTTGGT | CTGTGACAAT | TAAGGAATTC | AAGTATTTCAG | 152820 |
| AAACACTTCC | TGTGCTGGAT | GCTCTCTGTT | TGTTCTTCCA | AATAATCCCT | CACTTTTCCC | 152880 |
| TGTCTTGCTC | TGTGCCCAGG | AAGGCTGACA | TGGACAGATT | AACCAGGCTT | TCCGCCCTCT | 152940 |
| GGCTTGTTTC | AGCCAATGGG | AAGCACCAGA | GGAGACCATA | GGGCACAAAG | AAGCAGCCTT | 153000 |
| GGGAGTATTC | AGTACCCAG | TCCCACGCTA | TGATTTGGAG | GGTCTGCATT | CCTCTGCCTC | 153060 |
| TGGGCACACT | CTAGTATAGT | TACAGCTCCC | TACACCTGCC | ACTTGAGGCC | CAGAGGAGGT | 153120 |
| GATGGCTCTC | TAACTGTTCC | TAGTTCTGGG | TGCTTCCTGT | TCCTTGTTGA | TTTCCCAACT | 153180 |
| CCTCACCTTT | GTAAATACCC | TCCTTTTTC | AACTCTATTC | AGTTAGCTTT | TATCAGCCTG | 153240 |
| ACTCACAGAA | GTTTGGGGTT | TCAATTCATA | TTACCTGAAT | GACCCAGGAA | AACCCATGTT | 153300 |
| GAGAAATTAA | AATGTTTACG | GGGTGGTAAT | ACCACTTAAG | AGAAAAAATA | TCAATTGGAT | 153360 |
| TTTTTAAATT | CCACCTATCT | ATTGGTGTGA | CACATCAACA | AAAACATATA | GAAAGATTGG | 153420 |
| AAGCTAAAAG | ATAGATAATA | TAGTCATATA | CTGTTATAGT | ATTATATCAA | AAGATATTAA | 153480 |
| GTCAGAGCAT | TATTAAGAAT | GGAAGAAGGG | CCAGGTGTGG | TGGCTCATGC | CTGTAATCCC | 153540 |
| AGCACTTTGG | GAGGCCAAGG | CAGGCGGATC | ACTTGAAGCC | AGGAGTTCAA | GACCAGCCTG | 153600 |
| CCCAACATGG | CAAAACCCTG | GCTCTACCAA | AAATACAACA | ATTAGCTGGG | CATTGTGGCA | 153660 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|--------|
| CATGCCTGTA | ATCCCAGCTA | CTTGGGAGGC | TGAAGCACAA | GAATCACTTG | AACCGGGGAG | 153720 |
| GCAGAGGTTG | CAGTGAGCTG | AGATTTCGCC | ACTACACTAC | AGCCTGGGTG | ACAGAGAGAG | 153780 |
| ATTCTGTCTC | AAAAAAAAAA | AAAAAGAAAG | AATGAAAGGA | GTCACCTAAA | AAAGATAACA | 153840 |
| CAATTTTAAA | CATAAATGTA | CTACATTATT | AGTGAATTCA | TGTTTAGAAT | TGTGTTAATA | 153900 |
| TACAAAGCAA | AAATTGTAGA | ATTATAGGAG | AAATGGACAA | ATCTACAATC | ATCATGGGAT | 153960 |
| GTTTTAACAT | TCTTCTTTCC | ATAATTGATA | GATCAGGCAG | ACCAAAAGAA | AGAAATAAGG | 154020 |
| GAAGATACGG | AAGGTCTGAA | CAATCTAAGA | AGCGCAATCT | CATAGTCAAT | ACATAAAGCT | 154080 |
| CAGCAATTGT | TTAATAATAG | TAAGCAGAGA | ATATGCAGTT | TTCTCAGGTA | TAGATGGAAC | 154140 |
| ATGCACTAAC | TGAGTAAATA | CTAGGCAGAA | AACAGTCTGA | ACAAGTTTCA | ATAAATCTGT | 154200 |
| ATTACACAGA | TCATTTTCTC | TAGCCTCAAT | ATAAGATTAT | AAACCAATAA | TAAAAAGATG | 154260 |
| ACTAAAAAGA | TTCTAAATAT | TAGGAAATGT | AAACTACTAA | TAAGTCATTA | GAAGATGTAT | 154320 |
| AGAATGGAAC | AATAATAAAA | AGTTATTTAT | AAAAATATAC | AATGAAGCTA | AAGCAGAATT | 154380 |
| TTAAGGAAAA | TTTGTAGGCT | TTAAATGCTT | ATCTTAGAAA | AATTAAAAAG | CTGAACATTA | 154440 |
| ATGAGCCAAG | CATCTAATTT | AAATTTTAAA | AAGAACATAG | AAAGCCAAAT | ATAATTTTTT | 154500 |
| AAAAAGAAAA | AATAGATATT | AAACAATATA | ACAGTGAAGT | TAAAGAAAAC | AAGAATGCAA | 154560 |
| TAAAGAGGAA | AAACAAACAA | AAAAAAAGGT | AGCTTCTTTT | AAAAGAAATT | TAATAAAATA | 154620 |
| GACATACCTC | CAATGAGATT | TATCAAAGTA | AGACAGAAGG | CACAAATGGA | ATGAATACAG | 154680 |
| AACTTTTTTA | AATATTACAG | AACTTTATAA | TAAATCTTAT | GCTACTAATA | AAATTGAAAG | 154740 |
| TACTGATAAA | ATTATTACTT | CCTAGAAAAA | ATATTTCTGA | GTAAAACTCA | CTCAAAAAAC | 154800 |
| AAATAAAGCA | TGGGCAGACC | TAACATTAAA | GAAATGAAAT | CACTACTTTA | AATTTTACCG | 154860 |
| ACAGATAATA | AAACGTGCAT | CTTTATCAAG | CAAAAATGGA | ACTTGTGAGT | TTTATAGGAA | 154920 |
| ATTTAGAAGT | CAAGGCATGA | GTAATGCCAA | TCTCATACCA | AATCCTACAA | AGAATAGAAA | 154980 |
| ATTATGGCTC | CCGCTTATAG | ACATAGATAT | AGAACTCCTG | CACAAAATAA | TATAAATAAC | 155040 |
| AAACCAAATT | TTATATTTGC | AACATACAT | ATTATATGTG | TATGTATTAT | ATATGTTAAC | 155100 |
| ATATACATAT | ATAATATGTA | TAGCATATGT | TCTACATATT | ATATATGTAT | AGTGTATGTA | 155160 |
| TTTTACAATA | TATAAATGAA | AACCCAATCT | TTAATATATT | CATCTAGATT | GTCATATATG | 155220 |
| ACATATATAA | TACATTACAT | CAAAAATGTG | TACAATAATC | AGGCCAGGCA | CAGTGACTCA | 155280 |
| TGCCTGTAAT | CCCAGCACGT | TGGGAGGCTG | AGGCGGGTCA | ATCACTTGAG | TCCAAGAGTT | 155340 |
| TGAGACCAGC | CTGGTCAATA | TGGCCAAATT | CCATCTCTAC | AAAAAATATG | AAAAATTATC | 155400 |
| CAGGCATTGT | GGTGCACACC | AATAGTCCCA | GCTACTCGGG | AAGCTGAGGT | GAGAGGATCA | 155460 |
| CTTGAGCCTG | GGAGGTGGAG | ATTGCAGTGA | GTCGAGATTG | CGCCAGTGCA | CTCCAGCCTG | 155520 |
| GGTGGCAAAG | GGAGACCCTG | TCTCAAAAAA | AAATTAAAAA | ATTAGCCAGG | TATGGTGGCC | 155580 |

| | | | | | | |
|-------------|------------|------------|------------|-------------|------------|--------|
| TGTTCCCTGTA | GTCCCAGCAA | CTGGGGAGGC | TGAGGTGAGA | AGATCACTTT | AGCTCAGGTG | 155640 |
| GTGGAGCCAT | GATCGCACCA | CTGTACCACT | CGGCTTGGGC | AACAGAGTGA | GAGCCTGTCT | 155700 |
| CGAAAAAACA | AATATATACA | CACAGTAATC | AATATATATA | TTATATGTAC | CAATCAATGC | 155760 |
| TTCACCTTTA | TATATAATAT | AGATTACATC | TTATTAGATA | TATAGTATTC | CTTCTCCATA | 155820 |
| GATAGATAGA | TACAGATATA | GACATAGTAT | CCTCTATCCA | TATTAGAGAG | AGGATACTAT | 155880 |
| ATATATCTAT | AGCATATAGA | GATGCTGTCT | CAAAAAAATT | TAAACATCAG | CCAGATGTGG | 155940 |
| TGGCCCATGC | CTGTAGTCCC | AGCTACTGGG | GAGGCTGAAA | TGAGAGGATT | GCCATTGATC | 156000 |
| CTCTCATTGG | TTGAGCCATA | ATCGCACTAC | TGCACCACTC | AGCCTGGGAG | ACAGAGGGAG | 156060 |
| ACCTGAGGTG | GAAGGATATA | GATATAGATA | TATAAATAAA | TATGTATAGA | GAGAATATAA | 156120 |
| TATATGTGTG | TATGTGTATA | TATATATATT | ATGAAGACAC | TGGGAGAGAA | TACTATATAT | 156180 |
| ATATGTGTGT | GTGTATATAT | ATATTATGAA | GACACTGGTG | GGATGGTTTC | ATTACCAATT | 156240 |
| GGACCAAGAG | TCCAGGTATG | GAGCCAACAT | GCAATGTTGT | TGTTGACTGA | GCTGGCAGAG | 156300 |
| CACTGGTCAT | AGTTACGGGA | AAAGAAGGTC | TCCAATGAGA | CATACTTAAC | AAAATATATG | 156360 |
| AACTTGCCAT | ATACGTGGAG | AGTTCCTGGT | TGTATATAGC | CTTCTCTCAC | CAACCTAGCA | 156420 |
| ATTGTCTTCA | TCATCATTAT | AATGCTATCA | GAGCAAAGAT | GACAGCTAAA | TTTTTTTGTC | 156480 |
| CCTTCTTCT | TCTTTCTCTT | CCTTCCCCTC | CCCCACCTCT | TTCTCTTCCT | CCTCCTCCTT | 156540 |
| CATCTCTCTT | CTTTTTTTTT | TTGAGATGGA | GTCTTACTCT | GTCGCTCAAG | CTGGAGTGCA | 156600 |
| GTGGCACAAT | CTCAGCTCAC | TGCAACCTCT | GCCTTCTGGG | TTCAAGCAAT | TCTGCCTAAG | 156660 |
| CCTCCAGAGT | AGCTAGGACT | GCAAGTGCAC | ACCACCACAC | CTGGCTAATT | TTTGTATTTT | 156720 |
| TAGTAGAGAT | AGGGTTTCAC | AATGCTGGCC | AGGCTGGTCT | CAAACCTCCTG | CCCTCAAGTG | 156780 |
| ATCCTCCTGC | CTCGGCCTCC | CAATGTGCTG | GGATTACAGG | CGTAAGCCAC | TGTACCCGGC | 156840 |
| CTCCTCCTTT | AATAGACAGG | GTCTAGCTCT | GTGCCCAGG | CTGGGTACAG | TGGCGTGATC | 156900 |
| ATAGCTTACT | GCAGCCTCGA | ACTCCTGGGC | TCAGGAGATC | CTCCTGCCCT | AGTCTCCCCA | 156960 |
| GTAGCTGGAA | CTACAGGCAT | AGCACACGGG | GCTAATAAAA | TTAATTAGGT | GATAAAATTC | 157020 |
| ACTGCCCACT | GATGACTAAG | CTCTTTGGAC | ATAAAAGACA | CAGACCTTGA | AGGAAAATGT | 157080 |
| GTCTACTTAA | TTTTGAAACC | CTATTTATCA | AAAAACAGGA | TGAAAATGCA | AAATGCCATC | 157140 |
| CACATGCCAG | AAGATATCAG | CTATAATAAG | TTCCCATAAA | TCAATAAGGA | AAAGAACCCA | 157200 |
| ATAAAAATTA | TTAAACCACA | GTAAATCATG | GGTAAATCAC | AGAGGCCTGA | AGGGCTAATG | 157260 |
| GACATACAAA | AAGAATCTCA | ATCTCACTAG | TGAAATCAGA | AAAGCACAAA | TTAAGTACAC | 157320 |
| AATTAGGTAC | CATTTTAAAT | CTGTAAGACT | GTCAAAATCA | TAAATTATAT | AAGTAAAGAC | 157380 |
| TCAGGGAGTT | TTGGAGGAGT | GAGAGCTCTT | ATATTGCTTG | TGGGGTAGAA | TTGGAACAAT | 157440 |
| TTCAAGATCT | GTAGTATCTG | GTAAAATTAT | GATATGCATC | CCTCACACCA | GCATGTCACT | 157500 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|--------|
| CCAAGGTATC | TCCCTGGAGG | GAACATTTAC | GGGACACAAG | GAAGCATGGA | TAAGAATGTT | 157560 |
| CACAGTAGTA | TTGTCTGCAA | CAGCAACAAC | AACAAAAAAA | CCCAACTACA | CACAACTTCA | 157620 |
| ATGCCCAGTC | CACAAGGCAA | TGGATTAAAT | AACTTCAGG | CCGGAGATGG | TGGTTCATGC | 157680 |
| CTGTAATCCC | AACACTTTAG | AAGGCCGAGG | CGAGAGGACT | GCTTGAGCCC | AGGAGTTCAA | 157740 |
| GACCAGCCTG | AACAAAATAA | AGAGATAGTG | TTTCTACAAA | AAATTTTAA | AAAATTAGCC | 157800 |
| AGACGTGGCA | GTGCTTGCC | GTGGTCCCAG | CTACTGGGGA | AGCTGACGTG | GGAGGATTGC | 157860 |
| TTAAGCCCAG | GAATTTAAGG | CTGCAGGGAG | CCATGATGGG | GCCATTGCAC | TCCAGCCTGG | 157920 |
| GTGACAGAGT | GAGACCCTGT | CTAAAAGAGA | TAAGTAAATA | ACAACCTTGC | ATTTTCTGCC | 157980 |
| ACATTGCAAA | ATGGTGAGAG | AGTGGTTTCT | AGACTCTAGA | CTCTTTCTAT | GACTACCTTC | 158040 |
| TAGTTATGAG | ATCCTACAAC | ACTCACCTAA | CCTCTCTGTG | TCATATTTCC | TCCTCTATAA | 158100 |
| AGCAAAAAATG | CCCCATATAG | AGAGGACTGT | GATATAAAAC | AAGAACCAAG | AAAAGTAAAG | 158160 |
| CTTTTCTAAT | CTGTCACAGA | CTAAAGAGTG | CTCAGTATAT | GTGAGTCATT | ATTCCTGGTG | 158220 |
| CTGGTAGGAG | TGTATGTTAC | AACTTTGAGT | CAAGTAATAT | GGTACCATAT | ATTAAGATTA | 158280 |
| ACAACAACCT | CGGCAATCCC | AGTTTGGGGT | ATGTTCCCAA | AAGAAATGAA | AGCACCAGGA | 158340 |
| TATAAGGATG | CATGGACTAG | AAAGTTATTG | TAGCAACATT | GTAATAACTA | AGTTCTAAAA | 158400 |
| ACAGCCTGAA | GCTCCATCAG | TAGGGATATG | GTTACATATA | TTTATTATAT | TCTTATGGAA | 158460 |
| TATTAGACAT | AAAAAGTAAC | GAGTAACATA | GAAGAGACAG | TGTATATATG | TTACGTTTGT | 158520 |
| ACAAACTTAG | GGAAAGATAT | AGATCACCCCT | ACCTAGAGAA | GTCAGATTGG | AGACGGGTGG | 158580 |
| GAAAAACCTT | GAACCTTCTC | CTTATATCCT | TTATATTGTT | TGACTGATTA | AAATGTATTT | 158640 |
| GTTGCATCTG | CTTGAAGGCA | ATGTAAAATA | AAATAAACAT | ACATTTAAAA | ATAAAAATAA | 158700 |
| AATTTATTCC | TATCACTTTT | GTAATAAAGC | TGGGCACAGT | GACTAACACT | TGTAATCCTA | 158760 |
| GCACTTTGGG | AGGCAGAGAC | AGGCAGATCA | CCTGAGGTCA | GGGGTTTGAG | ACCAGCCTGG | 158820 |
| CCAACATTGT | GAAACCCCAT | CTCTACTAAA | AATACAAAAA | TCAGCCAGGC | ATAGTGGTGC | 158880 |
| GTACCTGTAA | TCCCACGCTA | CCCGGGAGGC | TGAGGCGCTG | GAACCCAGGA | GGCAGAGGCT | 158940 |
| GCAGTGAGCT | GAGATTGCGG | CACTGCAAGC | CAGCCTGGGT | AACAGCGAGA | CTCCATCTCA | 159000 |
| AAAAAAAATT | TGAAAAAAGA | AAAATTTTAA | TAAACAGTGT | TTAAGAGGGG | AGAAATATTT | 159060 |
| AGTTAAAAGA | TAAGCCCATT | TAAGAAATAG | TTTCACTTGA | CCCGGAAGGC | GGAGCTTGCA | 159120 |
| GTGAGCCGAG | ATCGCACCAC | TGCACTCCAG | CCTGGGCGAC | AGAGCGAGAC | TCTGTCTCAA | 159180 |
| AAAAAAAAAA | AAAGAAAGAA | AGAAAGAAAG | AAATAGTTTC | ACTTGAACCA | TATTATGATT | 159240 |
| CCTTCTGTAA | AAGATGAGAG | TAGGCAAATT | GACTCAGTGA | AATCCCAGCA | AACTTACAC | 159300 |
| AAAGTCTTGT | TCTTCCTTCC | TGTCATCTGT | ATAGGATGAA | ATACAGAGTG | CTTTTGGGTT | 159360 |
| TTGTTGTTGT | TTGTTGTTGT | GTATTTGAGG | GGAACACAGG | TCTATAATTC | CTTTTCTGAA | 159420 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|--------|
| ATCCCTGGAA | CAAAATGGGC | TTTGCCATTC | AAATTAGTTT | AGAAGTTATA | AAGGCAAAAA | 159480 |
| AATGCATATA | CTCTAAAGTT | CAACCCCATC | ATGGCCTAAG | GCAGAGCCCT | GTAATCAAAT | 159540 |
| TCATCAATAT | ATCTGCAGCA | AAACATTTAT | TCAAATTAAG | TGGGATAAAT | AAAGACTTTT | 159600 |
| AAATAGTCTC | ATCTCAGTGC | CGTTCAGGGT | TGGCCACTGT | GGAAGACAGA | CTCAAGGGTG | 159660 |
| GCCTTCTATG | ATTCTGCCT | CTTGGTGTTC | ACACCCTCGT | AAAATTCCTT | GTCTTTGAGT | 159720 |
| GTGAGCAGGG | CTTATGAATT | GCTTCTGACC | AATAGGATAT | GGCAAAGATG | ATGGGATATA | 159780 |
| ATTTCTATGA | TTACGTTTCA | TTATGTAAGA | CTCCATCTTG | CTGGCAGATT | TTCTCTAAAG | 159840 |
| AGTCTGTCTC | CTGAGCTCTC | TCTGAAGAAA | TAAGTGGCCA | TGTTAGAAGC | CCATGTGCAA | 159900 |
| AGAGCTGAGG | GGTGGCCTGT | AGAAGCTGTG | GGCAACCTCC | AGCCAACAGC | CAGAAATAAC | 159960 |
| CAGGGCCAAA | GTCCTGCAAC | CATCAGGAAA | GAAATTCTGC | CTGCTACCTC | AGTGAGCTTG | 160020 |
| GAAGTGGATT | CTTCCTTAGC | CTAGCCTCCA | GATAAGAACA | CAGCCTGACC | AACACCTTAA | 160080 |
| CTGCAGCCTT | ATCAGACCCT | AAGCAGCAGG | CCCAACTAAG | CTGTGCCCAG | ATTCCTGAAC | 160140 |
| CACAAAAAAT | GAGATAACAT | ATCAGTGTTG | TATTAAGGTT | CTAAATTATG | GTAATTTGTT | 160200 |
| TGTACTAATA | GATAACTAAT | ATAACCACCA | AATCATTTCA | GGTTAGGCCA | GATTTTTGTA | 160260 |
| GCCAAATGAA | TCATGATAAA | ACTTTCATT | TTCAGGGGTT | TTTTTGATTT | TGTACTTACG | 160320 |
| GATACAAATT | TGTGAAAGTA | TAGTCAGCAC | TGATTTAAAA | AATCAAGGGA | GCAGGAAACT | 160380 |
| CAGTAAATGG | TTCTAACATT | TTGGAATCTG | TAAATTGGTT | GTAACATTTG | TCATCTGTGT | 160440 |
| TATCTAAGTC | AAGTTCCTAA | AATATGTGAA | TGATAGGTTA | TCATACTCAC | CTACTTTTCT | 160500 |
| TGCATTGCTC | TAAGAGTTGG | CTGAGCTATT | GATAATAAAC | ACTATGATCA | GATCTAATAC | 160560 |
| CATGATGTGC | TATTATGATC | ATGTGTCAGT | CACAGGGCTA | AGCACTTTGT | ACATGTTGAT | 160620 |
| GCATTTAATT | TTGATGATAA | CTCAATGAAG | TAGGAGCTGT | TAATATTTTC | ATTTTTTCAGA | 160680 |
| GGGGGAAACC | AAGTCACTTG | GAGTAACATG | GCTAATAAGT | GAAAGAATAA | GAATTTGAAA | 160740 |
| GGTTTGCACA | GATAACCAGA | ATGCAATGCT | CATCACATTC | ACTGAGCAGT | GAATCATACT | 160800 |
| AACTAGAGAA | AGTATGAAAG | CTCTACTGAA | ATTAACATAA | CAACCTCTCT | GGCTGTGAGC | 160860 |
| CTGCCAAGGG | ACAGGTGGTA | AACTTGGTTA | CTGCATAAGG | CCCCTTCTAT | CCACAGTATT | 160920 |
| CAGGAATTCT | TTAGTGAACA | TACCTTGATG | ACTCCTTAAC | ATTTTCTTCA | CATCGAAGTA | 160980 |
| AAGCTTGGA | ACATTGCACA | TAGTATGAAG | TTCCAAGGAG | ACAGCCTCTG | ATGTTTCCAG | 161040 |
| CTTCACAGCC | CAACTCCTAG | AATAAGCAGA | GGCGAGAGAT | TTCTTCAGAG | GTGCATTCCA | 161100 |
| TTCATTTCTA | TATACGCACA | CCCCTCCCCT | CCTGCATTCA | AACAGGACTT | ACCTGCTCAA | 161160 |
| AGTGTCAATC | ACATTCTATA | AAGAAACAAA | AAGAAAAGGT | GAGCATGGGA | ACATCGGTAT | 161220 |
| TTCATGGGGC | TTGTCATGCA | GGGCTATTCT | TCTTTGCTTT | ACCCGAAGAA | GTAAAGAGAG | 161280 |
| TTACCCTAGT | CTTAGTCTTA | GATATTGATG | GATACTCAAA | CAAAGTAATT | CCCACCAGTC | 161340 |

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|--------|
| TTAGGTATTG | ATGGATACCC | AGATGGAATA | ATTCCTACCA | GCTTCTGGGA | GATTCAGCAT | 161400 |
| GGCAGGATGT | TTATCAACAT | TTGCATCTAT | TCTCATCCTT | GCTGAAGTCT | GAGGGCCAGG | 161460 |
| AGCTTTGTCC | ATGCTCCCTC | TGTAAGGACT | AGCTTTTGGT | GATCGGATTT | CCTTCACAGT | 161520 |
| GAGCCCAGAT | TAGAGAACAC | TTATCATAAA | GGTCCTTAGT | GGTGAATCTG | TGCACAGCCC | 161580 |
| TGAGACTGGG | CCACTGCCAC | TAAGATGGTG | GTAGCAGGTA | TCACACAGTG | GTAAAGCAAT | 161640 |
| CATGCTATAC | ACTCAGCCTT | ACAGTATAGT | CACCAATCCT | GTTAGTTAGA | ACCAGAATTA | 161700 |
| ATGGCTCCAG | ATGTTTATCT | TCCTACAGAT | AAAGCTGTAG | ATTGTACCAT | AACAGCTCTG | 161760 |
| GAGCAAGGGT | TCTACAAGCA | AATCAGGGAA | AAGGTTATCA | CTCATTTTGG | CTGCCCCACT | 161820 |
| TCATCACCCA | TCAGTCACCT | AGTGGAGTAT | TTCAGGAGAG | AGTCAACAAC | CAGGGTTCTC | 161880 |
| TGCACATGGG | CCAAGGAGGC | AAACAGTGGT | AAATGTTATC | CCGTGGTTTC | ATTTGGCCAA | 161940 |
| GCTGTGTTCC | CTCAGAAGTT | TATTTTTCTA | ATTGACATAA | AGGTACCCTA | TAAATTAGTG | 162000 |
| AAGGCCAGCC | TGATGGCACT | GATGTACATC | TAAAAGAAAC | ATTACTTTAT | CTTCCCATGC | 162060 |
| TTCCTTACCA | TTCTCCTTTA | ATAGCACTAT | AACATACCTT | TTTTCCCTAC | TCCAAGTACA | 162120 |
| CAGCCTCACC | TGCAGCAATT | TCTGGGCTGA | GCCCTGACAT | TTTTCTCTCA | GTTCCAGGAT | 162180 |
| GTGGCTCTTG | AGTTCAATTG | TCTTCAGCCC | CAGACCAGCC | TCATAGTCCC | TCAGTCTACT | 162240 |
| CAGAGTCTGT | TGTTCTTCTT | TCTCCAGCCT | CCAGAGATAA | GACTTCTCTT | CCTCATGTAG | 162300 |
| GAAACACTGG | AGATTCTTAA | AGTCAGACCG | GATTTTTTGT | CTCTGAATCT | GTACCTTCTC | 162360 |
| CTGGAGTCAA | GAAAGTATGG | TCAAAAGGTG | GAAGTAAACC | AAATGTCCAT | CTATGGATGA | 162420 |
| ATGGATAAAC | AAGAATGAAA | GTCTGACACA | CGCTACTACA | TGACAAGCCT | TGAAGACATT | 162480 |
| CAAGCAAAAT | AAGCCAGAAA | CAAAAGGGCA | AATATTGTAA | GACTTTGCTT | ATACAAGGCA | 162540 |
| TCTGGAGTAG | TTAAGTTCAT | AGAGACAGAA | AGTAAAATAG | TGGTTACAAG | GTGTTGGCAA | 162600 |
| GACCAGAAAA | TGGACAGTTA | TTGTTTAATG | GGTAGTGAGT | TTCAGTTTAG | AAGATGAAAG | 162660 |
| ATGAACTGA | GTTGCAGTTT | GGAGATGGGA | ATGGTGATGG | TTGCACAACA | ATGTAACAAT | 162720 |
| GTAAAAGCAC | TTAATTCTAC | TGAACTATAT | ACTTAAAAGT | GGTTAAATGC | TTAAGTGTTA | 162780 |
| TATATATTTT | CACACAAACA | CACACACACA | CACAATCAGC | CACTGGGACA | TTATTTTCTC | 162840 |
| ATGAGTCACT | GAAGCTGGAA | GAATGTCCCC | AGTTTCCTGC | TGCAGAGTCA | TGTGTGGGAG | 162900 |
| GCAGGCACTC | AGATGTGGAA | GAGGTTGCCT | CAGATTCCTT | ATAGTCACCC | AATTAATTTT | 162960 |
| CTTGTTCTTC | AGCCAAGACA | CAGGAGAAAAG | CTGGGTTAGG | AGTGCTAGAT | AATTTAATTG | 163020 |
| TGAAACTAGG | GCCAAGTTCA | AACACTTTAT | CAGTTACAAG | GATAAAAAGA | GGTTTTTACT | 163080 |
| TATGATTTAA | GAAGTTAGAT | TTCTGAGTTG | GAGCGATTTT | CTTGAAGTAA | AAGCTTATAA | 163140 |
| TGAACATCAC | CCAGACTGGA | TTTAAAGACA | ACCAGGCTGG | TAAGAGGGTC | CATAATTCTT | 163200 |
| GGCAGGGGGA | GCTTTGAGTG | TGACAGGCAT | TTATTATGGT | TAACTGAGAA | ATACTGTTCT | 163260 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|--------|
| ACTACCCTAG | GGTCATCTTA | AGCATTCCTA | TGTGTAAGAC | TGACAGAAAT | CAAGTGAAAC | 163320 |
| TCTCATCTGA | GGAGATGTAA | AGTTGCAATT | TCCATTAGTG | CTGTCTAAAT | TAATGCAGTG | 163380 |
| GGAGTGTGTA | TTCAGGGCAA | TTTGAATCTA | TGTTCTTGGA | TTGCAGTCTT | CAAACCTGGC | 163440 |
| CCAAATAAAC | TCTCTACTTA | TCTTAAAAAA | ATAAAAAATTA | AAAAATAAAA | ATAAATTCAT | 163500 |
| ACAGTGTTTT | GATGACTATG | ATATAGAAGA | AGGGTCTTTG | ACTTAGGATG | AGGTGGAATT | 163560 |
| TTTGTGTAGG | AGACAGGTGC | AGCTTTAACT | CTTGTATAGA | CGGGTTTTCA | TATATGTTAG | 163620 |
| TTACAATCAA | GGTCTTCCCC | ATTGCCCAAG | ATCCTAGAAA | TGGGGGAAGT | AAGAGTGTAC | 163680 |
| TCAGGAGCTC | AAGAGCAACA | TCCACAAACA | AAGATCAGGG | TAGAGGTTAG | AGAGGACTCC | 163740 |
| TGAAAGAGAG | AAAATTGGTA | ATCAGCTTGT | GGGATTTTAC | TGCAAGCTAG | TGAATTATAT | 163800 |
| AAATATAAAG | ATTGGTGCAA | AAGTAATTGT | GGTTTTTGCC | TTTACTTTAA | TGGCAAAGAC | 163860 |
| CGCAATTACT | TTTGCACAAA | CCTAAATATT | TCCATAAAAAG | AATGTGGCTC | TGATAATGTG | 163920 |
| GAGGTTAGTC | AGCCACGGAA | ATAATCTGAA | AGTTTGTAGT | TGCAAGTGTG | TAGGTTGTTG | 163980 |
| CATTACTTGT | GATGTACTTA | TAAATCAAGT | ATAGGCCGGG | TGCAGTGGCT | CACGCCTGTA | 164040 |
| ATCCCAGCAC | TTTGGGAGGC | TGAGGTGGGT | GAATCACGAG | GTCAGGAGAT | CAAGACCATC | 164100 |
| CTGGCCAACA | TGGTGAAACC | CCGTCTCTAC | TAAAATACAA | AAAATTAGCC | AGGCATGGTA | 164160 |
| GCACATGCCT | GTAATCCCAG | CTACTCAAGA | GGCTGAGGCA | GGGGAATTGC | TTGAACCCGG | 164220 |
| GAGGTGGACA | TTGCAGTGAG | CTGAGATCGC | ACCACTACAC | TCCAGCAAGA | CTCCATCTCA | 164280 |
| AAAAATAGTA | ATAATTTAAA | AATAAATAAA | TAAATAAAGT | ATATTTCTTT | CATCAGCTTC | 164340 |
| ATGAGCTAGA | GTAGTATGAA | TTTCAATCTG | GAGTGATCCT | GTTTTCTAAG | TGTTCACAAA | 164400 |
| GCTTGGTTTC | TGTACCTGTA | AAGTTGAGAG | CCAGATGCTC | CACTGTGGTA | AAAGTGCCAG | 164460 |
| GGTAATGAGT | TGAGGCCTGC | AAACCAGGTT | TATTTTGACG | TATTTAAAGT | TTGAGACCCA | 164520 |
| CTCGATGCTT | TTTCTAGGTA | AATAGTCATA | CTAATTCTGC | TTCTTCTGAC | TGAAGTATCA | 164580 |
| GGAATCCCAG | CCAACTACAG | TTTAAAGATG | GAAAGATTGG | TGCTAAATAC | TCATGGATGT | 164640 |
| AAACCTGGAA | CCAGGGGCAT | AAGTACAAAT | AATGGTTTCT | TCCTTGGGTT | TCATTTTTTC | 164700 |
| AATCTGGTTT | AGTGAGAATA | AATCCTCATT | GTGCTTTTCC | TCAATCATCC | CCTATGCCTA | 164760 |
| AGCTCTAGAA | TGGAATAAG | CTTGAGATCA | ATGAAGTCAG | ATTCTTACTT | TCCATTTAGT | 164820 |
| TATTCGCATT | GCTGTGGACA | GCTTCTGCTC | CGTACATCTG | TCTTCAAGTT | GCTTCAGTTT | 164880 |
| TGTCACAGCT | TTCTGGAGCT | TTTCCTGAAG | GAAAAATTTG | ATAAGTGAAG | CCTATTCAAT | 164940 |
| TTGACTCTTC | ATTAGGGACC | TAGGGGGAAT | CCCAATCTTC | TAAGATATAT | TTGAATAATA | 165000 |
| GTGAATATTT | ATAGAGTCCT | CATTGTTTTT | TGCTAGAGAG | CATGCTAAAG | GCTATATGTG | 165060 |
| CAGGAACATA | CTGATCCCCT | TGGCAACCCT | GAATAGTTGG | TAGGATTTTA | AACTTCATTT | 165120 |
| CTGTGCTGTA | GAAAATGAGA | CTAAGAAAGG | GGTAAAATAA | CTTGCCCCAA | GGGCTATGAC | 165180 |

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|--------|
| TGCCAGGTGG | TGGAGCAACA | ATTGCAATCT | CATCTGCTGA | CCCAGAGCCT | GAGCTATGTC | 165240 |
| CACCACTAGA | GTCCTGCCAG | GAAAAAGTTG | GATATAGAAC | AAGGTAATCA | TCATCTAAAA | 165300 |
| GATTTTGTAA | AACAACATGC | TGAACCAAGC | AAAACCAATA | CCAGTGTTTG | GCACACATGA | 165360 |
| AATTTTGTGT | CTTATGAGTC | AGGAAAAATC | AGGATGCCAG | CTGGTTATTA | GAAACAGTTC | 165420 |
| ATGGAAGAGG | GGAATTCTGG | TATCTTTTGA | ACAATGGTAT | CATGAATCCA | ATTTAAAATG | 165480 |
| ATTTAGTATT | CATGTCAAGC | TTTTAGCTTA | TTCTTCAAAA | CAGTTTCTCA | TATTTCTATT | 165540 |
| GAAAGTGATT | TGAAGCTGAC | CCAAATTGCT | AATTGTAGTC | AATGCTGAAA | GAATTGTCTC | 165600 |
| CTGTCCTCTG | TAAACCCAAC | AAGTATACTC | ATTCATTCTC | GAGTGTTCTC | AGGAAAAGGT | 165660 |
| TCTATGTAAC | TGTTTTAGCA | AAAGATGACA | TTGTCCTTAC | TATATGCCAA | GTGCTATTCT | 165720 |
| ATGCATTCTA | TATTTTAATG | TCCTCAAAGC | TTATAACCAC | CTCCTGTGTA | TGTGTTTTAG | 165780 |
| GGAGGGAGGA | CACTGCTATT | ATCCCCATTT | ACAGATGGAG | AAACCAAGGT | GTGAAGACAT | 165840 |
| TAAGTAACGT | GCCCCAAAATT | GCCCATCTAG | TAAGTGACAA | AACTCAATTT | CAACATAAGC | 165900 |
| TGGTTCCTTT | TCTTACTACT | TGGTGAAAAA | GTAATTCAAA | TGGGAATATG | ATCATCGCAG | 165960 |
| TTATTAGCTG | CTCCATGGAG | TTTAAGGAAG | AGCTGCCATG | AGCTGAGTGG | TGGTCATGAT | 166020 |
| TGACATGTCC | TTAGAAGGAC | TTAGAGCCTT | CATACAAGAC | CACCTCTGCC | TCATGGAGGA | 166080 |
| CAGAATAAAG | AGCCTGACAC | TGGAGACAAC | ATTTTCCTCA | AATTTAGGCA | GGACAGAGAA | 166140 |
| GGAAAAAGGA | CATCAGGACT | ATGCCCATTC | CTCCATGCTG | CCAACAGCAA | AGTCCCACCT | 166200 |
| TCCTTAATAT | GCTTTCTGGC | AAGAAATCTG | GATGGTACAC | AAAACCTCTC | CCTCTGCTTC | 166260 |
| ACCTTCCACA | ACCAAGCATT | TCCAAATCTT | TGACTCTTCT | TCCTGAATCG | TGCTTAAAAT | 166320 |
| CTGCCCTCTC | CTCCCTTTCT | TATACGGATA | GTTTGAATTT | TACTCCTTGA | TATTCCTTTT | 166380 |
| ATCATAGACA | TGCCACAGTA | GCTGGGCACA | GTGGTTCATG | CCTCTAATCC | CAGCATTTTG | 166440 |
| GGAGGCTGAG | ATGGGAGGGA | GACCAGGGGT | TTGAGGCCAG | TATAAGCAAG | AAAGGCAGAC | 166500 |
| CATGTCTCTA | CAAAAAATAA | AAAAATTATC | CAGGTATGGT | GGGGCATCCC | TGTAGTCCTA | 166560 |
| GCTACTTGGG | AGGCTGAGGT | GGGAGGATTG | CTTGAGCCCC | AGAAGGTTGA | GGCTGCAGTG | 166620 |
| AGCCGAGATT | GCACCATTGT | ACTCCAACCT | GGGATACAGA | GCAAGACCCT | ACCTCAGGAA | 166680 |
| AAAAAAAAAA | AAAAAAAAAA | AAAAGTAGAG | GTACCAGAGT | GATATTTTCA | ATGTCACTGA | 166740 |
| CCCTTCATTC | CCCAAATGAA | AATCCCCCAA | TAGGTGTTCA | ATTTTACGT | GTCCTTCAGG | 166800 |
| AGTTACTTCT | AAGATGAACC | ACTCTCTACC | CTAAATGTCC | CTCCCCACCA | CCAAAACCAG | 166860 |
| GGACCTCCAG | GCAGACATTT | TTGATGGTTT | GTTTCTTTTA | CTAGACTGTA | GATACCTAAA | 166920 |
| AGGTGATGGG | TCTTTCTTCC | CTGTTTTTCAG | GCCCTACTGC | ATGGCTTTAC | ATATTGTGGT | 166980 |
| TTTTCAAATG | ATATTCATGG | TGTGAAACAA | GAAAAAATGC | GGGTGTTTGG | TTTGAGAACA | 167040 |
| ACCTGTTCTA | AAGCAAAAAG | AAATTCATCA | TAACACAAAT | GGATAGAGAT | AAGAGTCCAA | 167100 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|--------|
| CCATCCCATT | GAAGGTCAGG | ATGGACAGTC | TAGATAATTG | AGCAAGAAAT | CATCATAAAC | 167160 |
| TATTTTTCAG | AAGAATGACA | TGATGAAAGC | TGTATTTCCA | AGTCATAATG | TTAGGTTTCA | 167220 |
| AGTTAAATCA | TCTCAGCTCC | TGGGGAGCAG | GATAAGACTT | GGTACTTACC | AAAGCTCCCG | 167280 |
| GGCCACACAC | CTCACCTTGT | AGCCCTGGCA | TACGTCTTCA | ACAAGAGCTG | TGGTGTGCCC | 167340 |
| TTTGTGCTGT | GGTGCCCGCT | CACAGCGCCA | GCAGATGAGC | TGCCCCCTCGT | CTTCGCAGAA | 167400 |
| CAGGTGGAAC | TGCTCTCCGT | GTTCTTCACA | TGACATTTCT | TGATCCGTCT | CTTTGAGGGC | 167460 |
| TTCAATGAGG | CTTCCCAGCT | GCTTGTTGGG | TCGGAGGCTA | TCCATATGAA | ATGGAGCCCG | 167520 |
| ACACTGGGGA | CAGCAGAATG | TCTCCTGCCT | CAGTTGCTTT | TGGCTTGGGT | TTTTAAAGAA | 167580 |
| GTCTGTTATA | CACAAGTGGC | AGTAGCTGTG | TCCACAGTTG | ATGCTTACTG | GGTTCGTCAT | 167640 |
| CAGGCTCAGG | CAGATGGAGC | AGGTGGCTTC | CTCCATCATC | TTCTTGGTGC | TGGTGGTTGA | 167700 |
| GGCCATAGCT | TTTATTGAAA | AGCTCCAATA | TTGGCTCTAG | AGATGGAGAT | GAAGCAGCCA | 167760 |
| GAATTTTCCA | CCGTGATGAA | AATACACCTC | ACCTGCACCT | CTATGTGATG | AGCTGGCTGC | 167820 |
| AACTGACTTC | CATAGGTCTT | GAAGGTTTTT | CTTCCAACCC | CTATTATCTC | ATTTTGTATT | 167880 |
| GAAGAAAAGA | GGACCTAAAA | GGAAGAAGTT | GAGGCTGAGG | TTGTTTGGGC | CACGTTTGAG | 167940 |
| AACTGCAACC | CAAGTGCAGA | GTTTCAAGTT | GCCCTCATT | GCAAGCAGTT | ACAAGTGGTT | 168000 |
| GTTTAGAGGA | AAAAAAGCAG | TTTTAAAGCA | GTTTTAAAGT | TGTTTGCCAA | GAATTTACAT | 168060 |
| TAAAATAGCA | TAAGCTTTTG | ACTGGCTATA | CATTGTTCTT | TGTATTACAA | ATCTCGGGAA | 168120 |
| TATGTAGGTA | ATAGATGAGG | CAGCCAGTCA | GGAACAAAAT | GCTTTTAAAC | ATGGGGTCTT | 168180 |
| AACTGAAGAC | CTATACTCCT | GCCTCACTTG | TCCTGATAAA | TTTTGCATAC | CTCACATAGC | 168240 |
| TCAGACTGCT | CTAAATTATT | TCATTATTTT | TCTTTTCTCA | GTCTTCTAAC | TTTTTTTTTT | 168300 |
| TTTTTTAATG | AGACGGAGTC | TCACTCTGTC | ACCCAGGCTG | GAGTGCAGTG | ACGCTATCTC | 168360 |
| GGCTCACTGC | ACCTCCGCCT | CCCGGGTTCA | AGCGATTCTC | CTGCCTCAGC | CTCCCGAGTA | 168420 |
| GTAGCTGGGT | CTACAGGTGT | GCACCACTAC | GCCCAGCTAA | TTTTTGTATT | TTTAGTAGAG | 168480 |
| ATGGGGTTTC | ACCATGTTGG | TTGGCTCGAT | CTCTTGACCT | TGTGATCCAC | CCGCCTCAGC | 168540 |
| CTCCCAAAGT | GCCAGGATTA | CAGGCATGAG | CCACCGTGCC | CAGCCTCTTT | TTCTTTTCTT | 168600 |
| ATAAGACAAG | TTCTCGCTCT | CTTGCCCAGG | CTGTAGTGGA | GGGCAGTGGC | ATGACCACAG | 168660 |
| CTCACTGCAG | CCTCGACCTC | CTGGGTTTAA | GCAATCCTCC | TGCCTCACCC | TGGCAGAGTG | 168720 |
| GCTGGGACTA | CAGGTATGTG | CCACCATGTC | CAGCTAAAGT | CTTCTCTCCA | GAAAGAAGAA | 168780 |
| ATGCATTGGA | ATTTAGAGGA | TACACAAACA | TCTAGCTGTA | TAGCTAATAC | AGTAGCCACT | 168840 |
| ATCATGAGTA | GGAATTTAAA | TTTAACTTAA | TAAAAATTAA | AATGAAAAAA | TTCAGTTTTT | 168900 |
| CTGTTCCAGT | TGCCACATTT | TGATTGCTTA | ATAGTTGCAT | GTGACTAGTG | GCTACATAAC | 168960 |
| AGCCTCAATA | TACAACATTC | TGTTATCACA | GAAAGTTACC | TTGGACCAAG | TGCTGGGAGA | 169020 |

| | | | | | | |
|-------------|-------------|-------------|------------|------------|-------------|--------|
| AGCAATGCAG | GCTTCCTCAC | AAAAGCTGTA | AAAGAGAGAA | CTCAGGGAGT | GTGAAACTCT | 169080 |
| TTCCTATTCT | AGTTAACTTC | AAGAATAATT | GTTACCAGGC | CAGCACGGTG | GCTCACGCCT | 169140 |
| GTAATCCTAG | CACTTTGGGA | AGCCGAGGCG | GGCAGATCAC | CTGAGGTCAG | GAGTTTGAGA | 169200 |
| CCAGCCTGAC | CAACATGGCA | AAACCTCATC | TCTACTAAAA | ATACAAAAAG | TTAGCTAGAT | 169260 |
| GTGGTGGTGC | ACACCTGTAA | TCCCAGCTGC | TCAGGAGGCT | GAGGAAGGAG | AATGACTTGA | 169320 |
| GCTCCGGAGG | GGGAGGTTGC | AGTGAGCCCA | GATTACACCA | CTGCACTCCA | GCCTGGGTGA | 169380 |
| AAGAGCGAGA | ATCTGTCTTA | AAAAAAAAAA | AAAGAATAAT | TGGTACCAGA | ATTACTCTTT | 169440 |
| GTAATTAGTA | GTAACACTTA | TGCAATTGGG | TGATCTGTGA | CAGATTCCAT | TGAAGGAGTA | 169500 |
| TGGGGAGCTT | CACCCCAATA | TATGACTCCC | TGGTATAATG | AGTATTTTGA | ATTAAAGGCC | 169560 |
| CTTAGAGATC | AGCAGATGCT | GGAAGAGACT | TTTCCCCTAT | CTACATAAAG | ACCAGTCACA | 169620 |
| CTAGACAAGA | AGAACAATTG | TTTTTCCTTC | CAACCCCTAT | TATCTCATTT | TGTACTGAAG | 169680 |
| AAAAGAGGAC | TAAGAATGTA | ACCAGACCTA | ATCAGACACT | TTCACAAAAT | AATGTCTGTC | 169740 |
| TCTCAGGCTC | ATTCATTTTC | CAAAGAGAAC | CATTTACAAG | TTAAACTCTG | TTCTCCATT | 169800 |
| CATTCATCCT | CCCAAATATT | CATTTATTCT | CCCTAGTAAT | CATTTACTGC | CCCTCAAAGA | 169860 |
| ATTACCTATA | TTCTCCTGAT | ATCACCCCTC | CCCTCTGAAA | TAAATATGTA | TACATGTATA | 169920 |
| AACGTTATAC | ATACATATTT | ATACAGTATA | CATACATATT | TATACATACA | TACATATGCA | 169980 |
| TACATATTTA | TATTTATGTA | TTTATACATA | AGTATTTATA | AATAAGGCTA | TATAAGTATC | 170040 |
| TACCCCCATT | GGCAGAGGGG | GTAATCACTC | TGTGATTCTA | GCCCATGTAC | TTGTTAATAA | 170100 |
| ATTTGTATGC | CTTTTCTCCA | ATTAGCCTGC | CTTTTGTGAG | TCGATTTTTC | AGTGAAC TTC | 170160 |
| AGAAGGCAAA | GGGGAAGTGT | TCCCTTGGCT | CCTACACCAT | CATGACAATA | AAATTTGACT | 170220 |
| CCACCTCGAC | CCCCCCCATC | CCCCACAAAG | AACAACAACC | AACACTGGTT | AATAAGGTCG | 170280 |
| GTTGTTTTTT | GTTTGTGTTT | TTGTTGTTGT | TGTTTTTGCT | TTCAGGAGCA | GAGGTATAAT | 170340 |
| AGGCAAAAAGA | AAGAGAAAGG | AGAATAGTGA | ATACCTCTTC | TGCAGAGAGG | GGTGCCTAAG | 170400 |
| TGGGACTTCC | CTGGCTAATA | ACGTC TTGCT | AGAGACCCAA | CCAGGAGGAT | AATGGAAGCA | 170460 |
| ATCAAGGCAA | CCAGAACAAC | CAGAAGAACC | GGTTTATCCT | TTTTGTGCCC | TCTCCCTAAA | 170520 |
| CTGAGGGAAT | AAGAATTGGA | AAGAAGGCTG | CAGAGCAGAG | GGTTTGCTCC | TGAGGAGCAG | 170580 |
| TTATTTCTAT | GGGATCAGAG | CTCCTGCAGA | ACTGGGGAGT | TTACTTTTAC | TATCTCTTCT | 170640 |
| CCAGGACAGG | ACCTATCTCA | AGAGACATGT | TCAGAGTGAT | TGCAACATAA | AGAGTTTGCA | 170700 |
| GACCCAAGGA | GGTAGGGAAG | GCAGAAAGAA | GATGGGGGAG | GCCAGGGATA | GGCAACAGAG | 170760 |
| GAGTGACCAG | GAGCGAAAAA | GCCTGCCTCT | TCTGAGAACC | TAGCTGGGCT | CTCCCTGTAC | 170820 |
| CCCCGATCCC | TCCCCCCC GC | CCGCCCCCAC | ACCCCTACTC | CTGGGAGCTC | CTCTAGGACA | 170880 |
| GGGGCAGAGT | CAGGAGGAAG | TTTGAAGAGT | GCCTAGAATA | AAAAACAGTA | ATTTAACTAC | 170940 |

| | | | | | | |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| AATTACCGGG | TAGGCTGTTT | TCCTCTCACA | ATTTGATCAG | TCTCTTGAAG | CCACACAGAA | 171000 |
| TTTCTTCTGA | AGACGTGTAT | TCCTTGGCAG | GCTATTTTCCT | CCAGTGATAC | ACCAGGCCCC | 171060 |
| TCTCTGCTGG | GGTCACTGCT | CTTCTGGGGA | GATGGGGCTC | CCCTCCTTCC | AAGGCTCCAG | 171120 |
| GGTTCCTGTC | CTGGGCCCCA | CTCATCTAAG | TTCTGAATCT | TCTGAGATTT | GGTGTAAGT | 171180 |
| CTGGTGAAAG | AAAGAGCAGG | AAAGAGGTGA | GAGCTGTAAA | ACAAAAGAAAG | TCCTGACCAT | 171240 |
| TTTCAGAGTT | GGAGGGGCCC | TGCTGTCACG | AAATATATTC | CCCACCCAC | TTGCCATCAG | 171300 |
| TACACACTCA | CATATCCACT | GAGAAAACCT | TAGCCTGGAC | CTTTTCCGTA | ACCTTCACTG | 171360 |
| CTCAGACACT | TACATATTCT | CTGCTAGTCC | CCTCTGTTGC | TGCCACTTCC | TGGGTCAGGA | 171420 |
| AGTTAACTCA | GACCGGATTA | AACTGAGAAG | TGAAACTACT | GTGGGAGGCG | GGGCTCATAA | 171480 |
| GATTTAGGAG | AAAAC TAGTG | ACGTTGTTCA | TATCATTTGC | ACTCCGCCTC | TCCGGTAAAG | 171540 |
| GAGGGGGAAA | CGTAGGAAGA | AAATATCCTT | CTTTTACAGC | AATAAAAAGA | AGGAACCAAT | 171600 |
| TAATAACCCT | GTAAACTATC | ATGTGACCCC | AACACAGAGT | ATCTAAAAAC | AGGAAGCCTG | 171660 |
| CAGAGGTTCA | GTTACAGAC | TCTGATTTGA | GATCTTTCTA | CTTTTGCCAC | CAACTCCCTT | 171720 |
| GGGAGTCCTT | AAGCCTTCCT | AGCTGATGTT | ACTTCTTTTG | CTATTTATGG | GTTGCTTG TG | 171780 |
| GTTCTATAAC | TGCTCTGAAG | GGTGTGGTGG | AAAAAGGGGT | GGTAACAGCA | GTAGGACTCA | 171840 |
| TTGGCATCAC | AAAATTCATC | TGAGTCAGCT | TTCTATTCTT | CTCTGTCCCG | TTCTGTGTCT | 171900 |
| TGTTTTTCTC | CTTGCTGTCC | TTCTGCAGGA | CTCAGATCTT | CTTCAATAGC | GAGGGTCAGC | 171960 |
| CAGGATAGAA | AATGGGAGTC | ACTAGTGGCC | CAGCAGTGAG | TGCCCCCAGC | TTAGAGCTGT | 172020 |
| GTGGGATCCC | TGGGACCATC | ACTCTGCTTT | GTGCTTTGTG | GAGAAAAGGC | TGTGGGGTCC | 172080 |
| AGGGTCAAGT | CCTTAATGAC | TTAGCTCCAG | CTTCTCCACT | TCAAAATGAA | AGGAAAAGTA | 172140 |
| CTATCACCAC | CCGTTAGAAT | TATTATTTCA | TGGGGAAAAA | AGATGGATTA | CTATCTCACA | 172200 |
| ATAAGAGCTT | GTCACATTTA | TAAGTCTCAG | GTGTAAGAGG | CATTTATGAT | AACAACATAA | 172260 |
| TAAATGCTGG | CTTAAGTAGA | TGCAGTGGTC | CAAGGGAACC | AGTAAGGGGA | GCTCAGGACA | 172320 |
| CAGGTGGGAG | GAGAAATTAA | ACTTGAATTC | TGGGAGCCAC | TGGCCTGTCT | GGGCCCCTGG | 172380 |
| CCTGCCTGCT | GACCCTGATA | GCCAATGGAA | CATGGAGTTT | GGCCCAGCTG | CAATCCCTCT | 172440 |
| GGTCCAAC TA | CTCAAAATAA | AGGCAAGATT | GGGAAACACG | TTCCTTTCTT | CCTATACCAA | 172500 |
| GCAGAAGACT | CTTCAGCACT | GCACCCTCCT | GGGTGCTCAC | AGAGCCTTCT | GTTGTTTTGC | 172560 |
| CACCTACGAT | TCATCATGCC | CTGGCATGAT | GGTTGCAGAC | CCCATGCATA | GCATGGGACA | 172620 |
| TTCTACTCCT | GAGGCAACCA | GCACACAGAG | AGAGGAGAAA | GAATGAGCCC | CTGAATCCTT | 172680 |
| GGTCCCACGA | TGAGTCCTTG | CAGATATCTA | CAACTTTCAT | TGTTGTGGAT | GTGACTCTGT | 172740 |
| ACCCAGGCAT | GGCTCATTC | AGATCTGTCC | TATTGTCAGA | GGTGTTCAAA | CCAGAATGAC | 172800 |
| TCCATTTTGA | ATGGGGGCTA | GGTAAAATAA | GGCTGAGACC | TACTGGGCTG | CATTCCCAGG | 172860 |

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|--------|
| AAGTTAGGCA | TTGTAAGTCA | CAGGATGAAA | TAGGCAGTTG | GCACAAGACA | CAGGTCATAA | 172920 |
| AGATCTTGCT | GATAAAACAG | GTTGCAGTAA | AGAAGCTGAC | CAAAACCCAC | CAAAATCAAG | 172980 |
| ATGGCAACAA | GAGTGGCCTC | TAGTCATTCT | CATTGCTCAT | TATACACGAA | TTATAATGTG | 173040 |
| TTAGCAAGTT | AGAAGGCATT | CCCACCAGCT | CCATAGTGGT | TTATAAATAC | CATGGCGATG | 173100 |
| TCAGGAAGCT | ACCCTATATA | GTCTAAAAAG | GGGAGGAACG | CTTGGTTCTG | GGAATTGCCC | 173160 |
| ACATCTTTCC | CAGAAAACAT | ATGAATAATC | CACTCCTTGT | TTAGTACATA | ATCAAGAAAT | 173220 |
| AACTGTAAGT | ATCTGTATTA | GTCCATTTTC | ACACTGCTGA | TCCAGACATA | CCTGAGACTG | 173280 |
| AGTAATTTAT | ACCAGGAAAA | AATGTTTCAT | GCTCTTACAG | TCCCACGTGT | CTGGGGAGAC | 173340 |
| CTCACAACCA | CAGCAGAAGG | CAAGGAGGAG | CAAGTCAGGT | CTTACATGGA | TGGCAGCAGG | 173400 |
| CAAAGAGCTT | GTGCAGGGAA | ATTCCTTTCT | ATAAAACCAT | CAGGTCTCAT | GAAACTTATT | 173460 |
| GACTATCATG | AGAACAGCAG | TATAAATTAC | TCAGGGAAAAG | ACCTGCCCCC | ATGATTCAAT | 173520 |
| TACCTCCCAC | CAGGTCCCTC | CCACAATATG | TGGGAATTTA | AGATGAGAGT | TAGGTGGGGA | 173580 |
| CACAGCCAAA | CCATATCAGT | ATCCTTAGTC | CAGAAGCTGA | TGCTCTGCCT | GTAGAGTAGC | 173640 |
| CGTTCTTTTA | TTCTTTTACT | TTCTTGCTTT | CACTTTACTG | TGTAGACTTG | CCCCAAATTC | 173700 |
| TTTCTCACAC | GAGATCTAAG | AACCTTCTCT | TAGGGTCTGG | GTTGGGACCC | CCTTTCTGGT | 173760 |
| AACACTATCA | AAGGATCAGG | AAAAGGAAGC | TAGTGAATGC | TAAAAAGGAA | ACAAACTACC | 173820 |
| ATTACCAATA | ATAACAGCAA | GACAAAAGCA | AAACGGATTG | TGACAGCTGT | CCCATCTCAC | 173880 |
| ACCTGTTTTCC | CATTGCAGGA | AGGAGGGGCT | GGTTCATGCA | CAGAGTGGCC | AATATTAGAA | 173940 |
| GCAGAGATGG | GGTGCAGATG | AGACTTCAGG | AATATGTTGA | CAAAGGCAGG | CCTAGGGAGA | 174000 |
| AATCAACCTG | AACTATCCCC | AAGGAGGAAT | GCATTATCTC | TAATATGTAA | AGTTAGGCTT | 174060 |
| GATCCTGTGA | TTATGGGATA | TAGGAGTCCA | AAGACTCACA | ATGGGAAGTA | GGTCACTAGA | 174120 |
| GTCTCCTTCA | GAAGCTCTGT | ACTGTGTGTT | CCCCTGTGG | GCAAGAGTCA | GCACTCAGCT | 174180 |
| ATTCTAGAA | TGCCTTTCCT | CAACTCCTTC | AGATTTTGCC | TCTCAACTAA | CCCTATCCTG | 174240 |
| ACCACTTGTT | AGCAAGTGTA | CCCCTCTCTC | CCTCCCAAAC | ATTTTCAAAT | CTATTTTGTT | 174300 |
| CCCATGGCAC | TTATCACTGA | ATATTTTACT | AATTTATTTT | GTTTAGTGTT | TGCTTCCCTC | 174360 |
| ATGAGAATGC | AAAGGGATGG | ATTTTTTTCA | ATATTGTTCA | CTGATGAATC | CCAGTAACTA | 174420 |
| GAATATTTCT | AAGCATAGTG | ATGTGCATTA | AATCAAAGAG | TAACTTTCTG | AATTGCACTA | 174480 |
| AACACACATC | ACAAGAGGTG | TGTGCACATA | TGTGCATGAT | GCACGTAGTG | TGGTGTGGGT | 174540 |
| GTTGTGTGGG | GTATGTGGTA | CTGTGTGTGC | TGTGTGTGGT | ATGTGATACA | TAGTTTGTGT | 174600 |
| TAGTGTGATG | CATGTGATGT | GGTATGTGTG | TGCGTGTCCA | TACATATTAG | GGGTGGCGGG | 174660 |
| GATGTTAATA | TGTCAAATGG | TACTAGAAAG | TATCAGAACT | CATGGTGCTT | ACTGGTTTCC | 174720 |
| CAGAGAGCTG | CTTCTCTCCC | ACCTGTAGGA | TATACTGATG | GTTTGGACAG | AGAAGAAATA | 174780 |

| | | | | | | |
|------------|------------|-------------|-------------|-------------|-------------|--------|
| AAAAGAAGGC | TGTGACCTAC | TGGGCTGAGG | AAATAAAAAAC | GAAAGTAAAA | GAAGAGCTGG | 174840 |
| GAAAAGAGAG | TGGAGGGGCC | AAGGGAAATT | TCCCCTTTGG | CTTCTGGGGA | AACTTTGCTG | 174900 |
| AAAAATCAAC | TCACAAATTT | ATTAAACATGT | ACACAGGGAG | AACCATAGAA | TGATTATCCA | 174960 |
| CTTCCCAAGA | GGGCTTAAAA | GCTTATATAT | TATCCTGGCA | AAACAGATTA | TGGGAGGGGA | 175020 |
| AGAAGAGAAA | CTCTGTTGAT | GGGATTACTG | TTGCGGATTT | TTGCTCCTTC | GCTCAGCTAG | 175080 |
| GTCCGGGTTT | TTGTCTCACA | GCCAGGAAGA | ATTAGGCATG | CAGCCATCAA | AGAATGAGTG | 175140 |
| GAGTAGAATT | TATTAAGTGA | AAGGAAAGCT | CTCAGCAAAG | ACAAGGGTCC | TGAAAGCAGA | 175200 |
| TTTCTGGTTT | GCTCTTCACA | GTTGAATACT | AGGGCTTAAG | ACTCAAATTC | CTGACAACCTC | 175260 |
| CACCCTGTCC | TACCAGTGCA | TGCAGGCCTT | TAGACTGAGC | TACTCCATAT | TGATTAATTT | 175320 |
| CCTGAACTGT | GCATGTGTTA | AGGAAAGGAA | TCATCCACTG | CAGGCATGTT | TAGGCAAGCC | 175380 |
| CCCTGTGCAA | GTTCCCTTAT | CTGCACAAAA | CATCCGGTGT | AAGCACTTGT | GGGGCAGGTC | 175440 |
| AGAGGTTCTC | TGGGTACCAT | TCCCTTACTG | TCTGCCATAA | GCAAGCTGGC | CAACTCCTTT | 175500 |
| CATTACTAGG | GAGAGTAAGT | AGATCAGGGA | ACAGAGATTA | ACTTGAACAT | TATCTTGTGA | 175560 |
| AAGTCCGTTT | GGGCATGGTT | ACATTCTTGG | TCTTACAGGA | AGGGTAAATA | AAAATAATTG | 175620 |
| CTCTTTTTTG | TGGGTCTGGA | TCTTAGGTAG | ATAAAGAAAC | TTTAATTCCA | CGATGTGTTT | 175680 |
| TGGTAGGGAT | AGTTGGTGGC | AGGGATGTCA | GAGAGACTTT | GAGGCTTCTT | CAGTTCAATA | 175740 |
| TGACCAAGGG | CCATATATTA | GGGTATCAAT | TTCTGAGCCC | CAACAAGAGC | TTAGGAGAGA | 175800 |
| TGTGATAGCA | TCACAGTGTG | AAAGCAATTT | TTTGTTTGTT | TTTAGAGACA | GGCTCTTGCA | 175860 |
| CTGTCACCCT | GGCTGAAGTA | CAATGGTACG | ATCACAGCTC | ACTGTAATCT | TGAACTGGGT | 175920 |
| TCAAATGATC | CTCCCATCTA | AGCATTTCAA | AGTGTGAGGA | TTACAGGCAT | GAGCCACGGT | 175980 |
| ACCCAGCCTG | AAACTGCACC | CACTTTCTGA | TAAACTTTTC | AAATGACTAA | AGGGGAGAGA | 176040 |
| GTAAGCACTA | CTCAGAGGTA | GGAAGAAAGG | ACACAGGATT | ATAGGATTAA | AACAACAACC | 176100 |
| ACCAAAAAAA | ACCAGACCGG | TGTGGTGGCT | CACACCTGTA | ATCACAGCAC | TTGGGGAGGC | 176160 |
| TGAGGTGGGG | GGAGTCACTG | GAGGCCAGGA | GTTTCGAGACG | AGCCTGGCCA | ACATAGCAAG | 176220 |
| ATGCTGTCTC | TATTAAAAAA | AAAAAATACC | TGCCCTGAGC | TAATCAGAAT | CATGGACCCT | 176280 |
| GACAAAGGAT | GTCCCAAAGT | AAGTCTTAGC | ATTTTTTTTT | TTTTTTTGAG | ACAGTCTCGC | 176340 |
| TGTGTTGCCC | AGGCTGAAGT | TCAGTGGCGT | GATCTCGGCT | CACTGCAACA | GCTGCCTCCC | 176400 |
| AGGCTCAAGC | AATTCTCCCT | GCCTTCAGCC | TCCCAAGTAG | CTGGGATTAC | AGATGCCAC | 176460 |
| CACCACGCCT | GGCTAATTTT | TGTTTTTTTT | AATAGAGATG | GGGTTTTGCC | ATGTTAACCA | 176520 |
| GGCAGGTCTT | GAACCTCTGA | CCTCAAGTGA | TCTGCCCACC | TTGGCCCCCTC | CATAGTGCTG | 176580 |
| GGATTACAGG | CGTGAGTCAC | TGCACCCGGC | AAAGTCTTAG | CATTCTTTAC | AAACAGTTTG | 176640 |
| TACCCGTATC | TCTAAAAGGG | AGTAGTGAAT | TTCACCCCAA | AATGTGGCTT | CCTGATATAA | 176700 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|--------|
| TGAGTATTTT | GAATGAAAAA | CTCTTAGAGA | TCAACAGACA | CTAAAGAGAC | TTTTCCCTAG | 176760 |
| GTACATAAAA | ATAGGATGGC | CCCACCAGCG | AGAACAATTG | TTCTTTTCTC | CCTCTCTGTT | 176820 |
| ATCTCATTGT | GCATTATAGG | AAAGACCAAG | AATGTAACCA | CACCTGAACA | GACCCTTTTA | 176880 |
| TAAGATAATC | AGTCTCTAAG | CATCATTTAA | ATTCCAAGGA | GAACTATTTA | CAAATTTATC | 176940 |
| TGTTCTTTGA | TCCAATTAGT | CTCTCCTGGT | AGTTACATAT | TGCCCCCTCA | CAGAATTCCT | 177000 |
| CTTCTTCTGT | TTCCCATAAC | CTATTTTGCA | AGGATCAAGC | CCCTGTTATT | TCTTCAACTT | 177060 |
| CAAGGTGGCA | TATAAGCTTC | TAAATTCCAC | TGGGATATTG | GTACTATGTG | CATGAGGAGA | 177120 |
| ACCACAGAGT | AATTAAATTG | TAAAGCCTTT | TATCTTATGA | ATCTGCCTTT | TTTTGTGTTC | 177180 |
| ATTTTTCAGC | AAAACTTCCA | AGGGCAAAGG | TATAAAACAA | AAATAAAATT | CTAAAGCCCC | 177240 |
| CCAACCATCT | GAATAGACTT | TCTCTTCAGT | CAGGCTTCTT | AAAATGTAAC | CTGAAAGACT | 177300 |
| GGCTCAGGCC | ATTAAGGGAA | GTGGGGGTTG | AACATGCCTC | ATTATTCCTC | TCTGGCATT | 177360 |
| ACATCAACAC | AGCTTTTAAG | TCTGATAAGA | AACATTTTAC | AACCTATTCT | CTCTGAAGCC | 177420 |
| TGCTAGCTAA | AAACTTCATC | CCATAGTACA | ACTTTGGTCT | TCACAACCTG | TTATCACAAC | 177480 |
| CTAGTGCTCC | TTTCTATTAA | TCCCAAATCT | TTATACAAAC | TCAACCAATT | GTCATCACCT | 177540 |
| CCACCCCACT | CCTCCGCTGC | TTCCAGTTGT | CCCGCCTCTC | TGGACCAAAC | CAGTGTACAT | 177600 |
| TTCTTAAACG | TATTTGATTG | ATGTCCCATG | CCTCCCTAAA | ATGTATAAAG | CCAAGGTGCA | 177660 |
| TCCCAACCAC | CTTGAGCGCT | TGTTCTCAGG | ACCTCCTGAG | GGCTGTGTCA | TGGGCCATGG | 177720 |
| TCACTCAAAT | TTGGCTCAGA | ATAAATCTCT | TCAAATGTTT | TACAGAGTTT | GGCTCTTGTC | 177780 |
| ATGACACAGA | TGACTGCTTC | ACTGAAGCCT | GCTCTGGAAG | TGAGTGGGGG | TTTTGCAAGG | 177840 |
| ATAATTTTCC | CCGGATAGCC | CCAGAAGCAG | CTAGTAATAA | TACACTTAAA | GGTAGCTAAA | 177900 |
| ATGCATTGAA | CACTTGTTTT | GTGCCAGACC | TATGTCAACA | TTTGCTTTGT | GCCAGGCTTA | 177960 |
| TGCCAGTACT | CCTGATTTGT | TAATACATTC | TAAATAAAAA | TTCTGGAGTT | TCAAATATAA | 178020 |
| TAACTGAAAA | ACAGAAAATA | AATAAAAATA | TATAATAACT | GAAATAAAAA | TTTACTAAGG | 178080 |
| CTGGGGATGG | TGGCTCACTC | ACACCTGTAA | TCCTGTTACC | GGAAAGGGGT | CCGTCCAGAT | 178140 |
| CCAGACCCCA | AGAGAGGGTT | CTTGGATCTC | ACACAAGAAA | GAATTCGGGC | GAGTCTGTAA | 178200 |
| AGTGAAAGCA | AGTTTATTAA | GAAAGTAGAG | GAATAAAGA | ACGGCTACTC | CATAGGCAGA | 178260 |
| GCAGCTCTGA | GGGCTGCTGG | TCGCTCATTT | TTATGGTTAT | TTCTTGATTA | TGTGCTAAAC | 178320 |
| AAGGGGTGGA | TAATTCATGC | CTCCATTTTT | TAGACCATAT | AAAGTAACTT | CCTGACGTTG | 178380 |
| CCATGGCATT | CGTAAACTGT | CGTGGCGCTG | GTATGAGCAT | AGCAGTGAGG | ACGACCAGAG | 178440 |
| GTCACTCTCA | TCGCCATCTT | GGATTTGGTG | GGGAGCAGTG | AGGATGACCA | GAGGTCACTC | 178500 |
| TCATCGCCAT | CTTGGATTTG | GTGGGGTTTA | GCCAGCTTCT | TTACTTTTTT | CTTTTTTTTT | 178560 |
| TTTGCCCAGG | CTGGAGTGCA | GTGGCACGAT | CTCAGCTCAC | TGAAACCTCC | AATTTCTGAG | 178620 |

| | | | | | | |
|-------------|-------------|-------------|-------------|------------|-------------|--------|
| TTCAAGCGAT | TCTCGTGCCT | CAGCCTCCCA | AGTAGCTGGG | ATTACAGGCA | TGTGCCACCA | 178680 |
| CACCCAGCTA | ATTTTTTATA | TTTTTAATAG | AGACCGGGTT | TCGCCATGTT | GCCTACGCTG | 178740 |
| ATCTCCAACT | CCTGCGCTCA | AGCCATCCAG | CCACCTTAGC | CTCCCAAAGT | GCTGGGCTTA | 178800 |
| TAGGTGTGAG | CCACCCCACC | TGGCCTAGCC | GGCTTCTTTA | CTGCAACCTG | TTTTATCAGC | 178860 |
| AAGGTCTTTA | TGACCTGTAT | TTTGTGCCCA | CTGCCTGCCT | CATCCTGTGG | CTTACAATGC | 178920 |
| CTAACTTACA | GGGAATGCAG | CCCAGCAGGA | CTCAGCCTTA | TTTCACCCAG | CTCCTATTCA | 178980 |
| AGATGGAGTC | TTTCTTGTTT | AAATACCTCT | GACAAGCCCA | ACACTTGGG | AGGATGACAC | 179040 |
| AGGAGGATTG | CTTTAGCCTA | GGAGCTCAAG | ACCAGCCTGG | GCAACACAGT | GAGACCCCAT | 179100 |
| CTCTAAAAAA | AAAAATACAA | AAAAATTAGC | CAGGCATGAT | GGTGTGTGCC | TGTAGTCCCT | 179160 |
| GCTACTCAGG | AGGCTGAAGT | GGGAAGATGG | CTTCAGCCCA | GGAATTCAAG | GCTGCATTGT | 179220 |
| CAGAGGCATT | TGAACCAGAA | TGACTCTATC | TTGAATAGGC | GCTGGATAAA | ATAAGGCTGA | 179280 |
| CACCTGCTAG | GCTGCATTTT | CAGTATGTTA | GGCATTCTTA | GTCACAGGAT | GAGATAGGAA | 179340 |
| GTCAGCACAA | GGTACACATC | ACAAAGACCT | TGCTGATAAA | ATAGGTTGTG | GTAAAGAAGT | 179400 |
| TGGCCAAAAC | CCATCAAAAC | CAACATGGCC | ACCAAAGGGA | CCTCTGGTTG | TCTTCACTGC | 179460 |
| TCATTATATG | TTAATTATAA | TGTATTAACA | TGCTAAAAGA | CACTCCTACC | AGCATCATGA | 179520 |
| CAGCTTACAA | ATACTGCGGC | AATATCTGGA | CTTTACCTTA | TATGGTCTAA | AAGGTGGAGG | 179580 |
| AACCCTCAAT | TTTGGAATT | GTCCACCCCT | TTTTTGGAAT | GCTCATGAAT | AATCCACCCC | 179640 |
| TTGTTTAGCA | CATAATCCAG | AAATAACTAT | AAGTATGCTT | ATTTGAGCAG | ACCACGCTGC | 179700 |
| TGTTCTGCCT | ACAGAGTAGC | CATTCTTTTA | TTTCCTTACT | TTCTTAATAA | ACCTGCTTTC | 179760 |
| ACTTTACTGT | ATGGACTTGC | CCTAAATTCT | TTCTTGTGTG | AGATCCAAGA | ACCCTCTCTT | 179820 |
| GGGGTCTGGA | TCAAGACCCC | TTTCTGGTAA | CATCTTTCTG | GTGACCACGA | AGGGACAATA | 179880 |
| CTGAGGAGAC | TCTGAAGCCA | AAGGAAACAG | ACTACAGCAC | CAACTGGCTG | ACTTTGGGTA | 179940 |
| AGTGGTGGAG | TCCCCGGGTA | AAGGATAGGA | TTGGGTTAGA | GGTGCAACTT | AGGGGAGATA | 180000 |
| GGGTCTCTCC | TAAGACAGAG | AGGGTTTCAG | TCCGCTCTTA | ATAAAGGGCA | AGAATGCTTG | 180060 |
| ACCGAACTTG | GGTTTGAGAC | CCAAC'TTAGG | AAGGCTACAG | TCCTTAAGAT | TTAAGGGGTT | 180120 |
| AGAGGCCCCCT | CTCAGTAAAG | TCTCTCTTGG | TTAAAAACGG | ATTTAGCATT | AGGGGATGTT | 180180 |
| AACTGCTATT | CTGTTTGTAT | TAATCTTCCC | TGTGCTCTTT | GCTGACAGCT | ATGGGTGACA | 180240 |
| GGATTAGGCA | TGTACAGGAT | CACGGGACAT | TGGGAAC'TTT | TCTTCTCTCC | AAAAGGGGAA | 180300 |
| GCTTGACAGC | TGATAGGACT | GT'TGGAAAAG | ATCCCTTTGC | TATGACAAGC | AGCCGCCTGA | 180360 |
| ACTTTTGATT | CAGTGT'TGCT | GCAATGGGTG | GGTCTTTCTC | TGGCCTCTGT | GAAC'TCCTCA | 180420 |
| CCTTCCCCAT | CTCACCACAG | GCAATGCTTT | TCTCCCTTTC | TCTCTTTTCT | CTTTTCTGTC | 180480 |
| TTTTCTGTTA | CTTGAGACAA | CCATCTTGCC | CAGAGACCAT | ATGTTGAAAC | TCCTGGTCAG | 180540 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|--------|
| AAGTTTGATT | AAAGATGAAA | GGGCCTATCT | GGGGGCAAGT | TTGAGCCTTC | CCAGTTAGAT | 180600 |
| ATTGGGTGCT | AAGTGAGTG | GCCAATGTCT | ATGTTTTGTC | ACATGTATAT | TGCTCTGGCT | 180660 |
| GAAATGGAAA | ACGTTAATTT | GGTTACTTTA | TGTGGCCATT | GGGCAGCATC | TTACAAAAGT | 180720 |
| GAGAGACATT | TATTTGCCTG | TGGTTCCATG | AAACAGAAAA | AAGTTGGTTT | TCTTTTGTGT | 180780 |
| CGTAGCTTGG | ACCCAAGGGC | TTTGCACTGA | GCAAGGTTGC | TAGTGCTGCT | CAGTGAAAAG | 180840 |
| GAACCCAGAA | ACCTGGCATG | CCAGCAAAAG | GGTAAAGATT | TCTTACCAGT | CAGGCTTCTG | 180900 |
| GCCTCTCTCT | CTTAGTGAAA | ACTGAATGAA | TGGTAAAAAT | CACTGTTTAT | CACCTCTGTA | 180960 |
| AAGTTTTGAT | TAATGGGAAC | AAGGATTTGT | GGGGCTAGTC | TTAAGCTGTA | ATGAATCTGG | 181020 |
| TATACTTTGT | GATATCAATT | TGTCTTTCTG | TATTACTCTG | TCATAAAGAG | GAATATGGTA | 181080 |
| GGATAGAACA | TGGGCTCAGG | ACTCCATAAG | CCTGCTGTTC | AAGCCAGCCC | AGTAAACTGG | 181140 |
| TCCGTTGCAA | AGTTTATTAC | AGGTCCCTGG | AAAAAAAAAA | AAATAAAAAAC | TGGATGAAGT | 181200 |
| TTCTTTCTCA | TCTTGTTTTA | TGTCCTTTGG | AGCTTCACCT | TGTAACCACG | TGGCGGTACT | 181260 |
| TTCTCTTGGT | CTCTGCCATC | CAGGGAACAG | GAATTTTGGG | GTTTATGTAA | TAGTTAACTC | 181320 |
| TAAAAATTAT | CTCAAGCCAT | TGCAAGCTCA | AAATTGGCTG | CTCTGGACCC | CTTCTGGGAA | 181380 |
| GGGCAATGGA | AACTAACCAG | TGTTGTAGCT | CAGCAGCTAA | GGATTTGTCA | TTTTATAATG | 181440 |
| GCGGCCAAGG | TTCAATCCTG | GCTTAGGGAA | TGAGTACTTT | CTGATTGATA | TCTGTGTGAC | 181500 |
| CTTTACCATT | TGTTGATTCT | GTTCTCTTCC | CCTCCACACA | CTGTCTTGAG | TTTTCTCTC | 181560 |
| TCTGAGAACC | TGGGAGATTA | TCTTTGGTAA | AGTTCAAAAG | CCAGAAATAA | TGGCCGTGTG | 181620 |
| GGATGGCTAA | AGTTGAGTAA | TAAGAACTT | AAAAGGACTC | CTTTTTTTTT | TGCTTTAGAG | 181680 |
| TGCTATGGTT | TATGGTTAAA | AGCTTAATTA | AAAGTGGATA | TTCAATCTCT | AAAAGCCTGG | 181740 |
| GACTCCTTGG | GAAAAGCAGA | GGAGGCACCA | CAGACCCCAT | TTTGGGAAAA | CCTCTGTTTT | 181800 |
| CCTCATGAAA | CCCCAGGAAC | TGGAAGTGGA | TAGATCCTTC | GCAAAATCTA | AGGCTCTGTT | 181860 |
| TGGCTTTGCA | TTATGTTATC | TGATGTTTTT | GACTTTTGGG | GGTATCAGAA | ATTACTTTGC | 181920 |
| ATTATGAGGG | AGATCTGGTG | TGTAATAACC | AGGTAGGAAA | TATACTTCTG | GGGATAGCTA | 181980 |
| AAGGCAAATA | TAGGTGAATA | CTTGGCTATT | TGCACTTTTG | GATCACAAGA | AGCATTCTCT | 182040 |
| TGACTACCTA | GAAGGTATGG | AAATGTCTCC | ATCCCCACCG | AGAGATAAGA | TTCCAGGGG | 182100 |
| AGATGGCTGA | TCCCCCAAAA | GAGGGCTGAT | TCCCTCTTTT | GGGATCCAGG | ATCTGGTATA | 182160 |
| AAAATGGGAC | CCTGGCCAGG | CACAGTGGCT | CACGCCTGTA | ATCTCAACAC | TTTGGGAAGC | 182220 |
| CTCAGAGTTA | TGAATGTCTC | ACCATACTGA | CACTTTGTGA | CTGAGCTCCT | CTCTACCCTG | 182280 |
| GACACAAGAG | ACCCTAATAA | TTAGACAGGA | ATATCATTGC | CCCTATTTAG | TCTGAAGAAG | 182340 |
| TTATAGAAGA | CGGATCTTTA | TCCCACTGCA | ATCCTTAGGA | TTAAGGGTTC | CCTGGTAAAA | 182400 |
| GGGAGTGGGA | AAATATGTCA | GAGGCATTTG | AATCAGAGTG | ACTCCATCTT | GAATAGGGGC | 182460 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|--------|
| TGGGTAAAAT | AAGGCTGAGG | CCTGCTGGGT | TAGGTTAGGC | ATTCTAACCA | GGAGTTTAGT | 182520 |
| CACAGGATGA | GATAGAAGGT | TGCACAAGGT | ACCCGTCACA | AAGACCTTGC | TGATAAAAATA | 182580 |
| GGTAACGGTA | AAGAAGCCAG | CTAAAGCCCA | CCAAAACCAA | CATGGCCACA | AAAGTGACCT | 182640 |
| CTTGTCATCC | TCACTGCTCA | TATACACTAA | TTATACTGCA | TTAGCATGCT | ACAAGACACT | 182700 |
| CCCACCAGTG | CCACGACAGT | TTACAAATAC | CATGACAACA | TCTGGACGTT | ACCTTATATG | 182760 |
| GTCTAAAACG | GGGAAGAACC | CTTAGTTCTG | GGAATTGTCC | ACCTCTTTCC | TGAAAAATTC | 182820 |
| TTGAATAATC | CATTAGTTTA | GCACATAATC | CAGAAATAAC | TATACGTCTG | CTTATTTGAG | 182880 |
| CAGTCCATAC | TGCTGCTCTG | CCTATGGAGT | AGCCATTCTT | TTCTTTTATT | TTTATTTTTT | 182940 |
| AGATAAAGAC | TCGCTCTGTC | ACTCAGGCTG | GAGTCTGGAG | TGCAGTGACG | TGTTTTGGCT | 183000 |
| CACTGCAACC | TTCACCTCCC | GGGTTCAAGC | AATTCTCCTG | CCTCAGCCTC | CCAAGTAGCT | 183060 |
| GGGACCACAG | GTGGGTGCCA | CCATGCCTGG | CTAATTTTTG | TATTATTAGT | AGAGATGGGG | 183120 |
| TTTCGCCATG | TTGGCCAGGC | TGGTCTCGAA | CTCCTGGCCT | CAAGCGATCC | ACTTGCCTTG | 183180 |
| GCCTCCCAA | GTGCTAGGAT | TACAGGCATT | ACCCACTATG | CATGACCCAT | TCTTTTATTT | 183240 |
| CTTAACTTTT | TTTTGTTTTT | TTGAGACAGA | GTCTCACTCT | GTCACCCAGG | CTAGAGGCTG | 183300 |
| GAGTGCAGTG | GTGCGATCTT | GGTTCACATG | AACCTCTGCC | TCCTGGGTTC | AAGCGATTCT | 183360 |
| TCTGCCTCAG | TCTCCTGAGG | AGCTGGGACT | ACAGACATGT | GCCACTACAC | CCAGCTAATT | 183420 |
| TTGTATTTTT | AGTAGAGACA | GTGTCTTGCC | ATGTTTGTC | GGCTTGCTCT | GAAGCTCCTA | 183480 |
| CCTCAAGTGG | TCTGCCTGCC | TCAGCCTCCC | AAAGTGCTGT | GATTACAGGC | ATAAATCACT | 183540 |
| GCGCTCGGCC | CTTCTTTACT | TTCTTAATAA | ACTTGTTTTT | ACTTTTACTG | ATGGACTAGC | 183600 |
| CCCAAATTCC | TTCTTGTTGT | AGATCCAATA | ACCCTTTTGT | GTGTGAAAGA | ATGTATTGCT | 183660 |
| GCTGTTTCAG | CTGGAGCAAG | CTGGAGCTCA | TGCTGCTGCT | CAGACTGGAG | CATGCGTGAT | 183720 |
| CTGTGATCCC | AGTAAGAGGA | TCATGGTCAC | TCCAGCCTGA | ACGACAGCAT | GATATCTCAT | 183780 |
| CTGTAAGAAA | AAAAAATTAC | TAGAGGGCTT | TAACAGCAAA | TTTGAGCAGC | AAAAAGAAGT | 183840 |
| AATCAGTGAA | CTCAAAGATA | GGTCAATTGA | AATGATCTAC | TCTGAAAAAC | AGAAAGAAGA | 183900 |
| CAGAATGAAG | AAAAAGAAAT | AGAGCCTTAG | AGACAGGGGA | TACCATCAAG | CATACTAATA | 183960 |
| TATGCATAAT | GGGACTCCTA | GAAGGAGAAA | AGTGAGAGGA | CAGGGAGAGA | GAATGTTTGG | 184020 |
| AGAAATAATT | TCTCAAAGCT | TCCCATGTTT | GGCAAAAAAG | CATTAACCTG | CATACATATT | 184080 |
| TTAGGAGCTC | AATGAATTCC | AAGTAGGATA | CACTCAAAGA | GATCCATACC | TAGACACATC | 184140 |
| ATAATCAGAT | TATCAAAAGA | TGAAGAAGAT | GAATCTTGAG | AGCAGAAAGA | AAGGAACAAT | 184200 |
| TCATCACATA | CAAATAGTAC | TCAAAAGATG | TCTGGAGTAG | GTATACTAAT | ATCAGACAAA | 184260 |
| ATAAACTTTA | AGATAAGCAT | TGTTATAATA | AATAAAAGAA | GGTATTTTGT | AATGATAAAA | 184320 |
| GTGTCAATTC | ATCAAGAAAA | CATAACATTA | TAAACATACA | TGCACCTAAC | AACAGAGCCC | 184380 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|--------|
| TAATATTCAT | GAAACAAAAC | TGACAGAATT | GAAGGGAGAA | ATAGAAAATT | CGACAATAAT | 184440 |
| AGTTGGAGAC | ATCAATACCT | CACTAGTTAG | ACAAGATCAA | CAAAAAAATA | GAAGACTTAA | 184500 |
| CACTTGAAAA | CACCTAACCT | GACCCTAACA | TAAATCTATA | GGTCACTACA | CCCCAAAACA | 184560 |
| GCAGAATAAA | CATCCTTCTG | AAGCTCACAT | GAAACATTTT | TCAGGATAGA | CTGTATATTA | 184620 |
| CTTCATGAAA | TAAGTCTCAA | TAAATGTAAA | AGGACTATAA | TAATAGAGTA | TATATTCTCT | 184680 |
| GACCAAAGTG | GAATGAAGAT | AGAAATCAAT | AACTAGGCTG | GGCGTGATGG | CTCACGCCTG | 184740 |
| TAATCCCAGC | ACTTTGGGAG | GCCAAGGCGG | ACAGATCACG | AGGTCAGGAG | TTTGAGACCA | 184800 |
| GCCTGACCAA | CATGGTGAAA | CCCTGTCTCT | ACTAACAAAA | TACAAAAATT | AGCCAGGCCT | 184860 |
| GGTGGCATCT | GCCTGTAGTC | CCAGCTACTC | GGGACACTGA | GGCAGGAGAA | TCACTTGAAC | 184920 |
| CCAGGAGGCA | GAGATTGCAG | TGAGCTGAGA | TCGCGCCACT | GCATTCCAGC | CTGGGAGACA | 184980 |
| GAGCGAGACT | CCGTCTCAAA | ATTAAAAAAA | AAAAAGAAAC | TAGAAAAATA | AGAACAAATC | 185040 |
| AAACCCAAAG | CAAGCAAGAG | GAAAATGAAA | AATTTCAAAG | CAGCCAAGAA | CAAAAGGCAC | 185100 |
| ATTATGTACA | GAAGAACAAG | TGTATAGATC | ACATATTTCT | CATAGACACA | ATATAAGCAA | 185160 |
| AAAGACAGTG | GAGCAAAATT | TTTTAGATTA | ATGAAAGACC | TACAATTCTG | TACCAAGCAA | 185220 |
| AAAAACTCCC | CCCAAATGAG | GGTGAAATAA | GACAATTTAA | TACAGAGAAA | AGAGGAAGGA | 185280 |
| ATTTATCTAG | TCATATGTGA | GAGTTTTATG | ATACATTTTG | TACTGTATAT | GTGGATGTTT | 185340 |
| TCTATTTTCAT | TTAAAAAATC | AACCGTGCAA | TTAAATGGTA | GATTGTCTTG | CTTCTTTTTG | 185400 |
| ATTGACACAG | TCATTAACTA | AAATATTGTA | GTATTTTTTT | ATCTCCCTGC | CTAAAGGCAA | 185460 |
| TAAACATCTA | ATCAGCAGAC | TAGAACAATA | AAAAATATTT | TTTAAAAGTC | CTTTAGGCAG | 185520 |
| AATGATAAAA | GTCCCTTAGG | CATATTGAAA | TTCCTATTTA | TACAAAGGAA | TAAACAGTAC | 185580 |
| TAGAAATTGT | AACTATGTGA | GTAAACAGAT | AATATTTTTT | CTCCATAAAA | TGTGGTTGAC | 185640 |
| TATTTTCACA | AAAATAGTTA | ACAATGTAAT | GTGTGATTTA | TAGCATTTAA | AAGTAAACA | 185700 |
| GGCCGGGCAC | AAAGGTTCGT | GCCTGTAATC | CCAGCACTTT | TGGAGGCCGA | GGCGTGCAGA | 185760 |
| TCACTTGAGG | ACAGGAGTTC | AAGACCAGCC | TGGCTAACAT | GGCAAAACCC | CATCTCTACT | 185820 |
| AAAAATACAA | AAATTAACCA | GGCGTGGTGG | TGCACGCCTG | TAATCCCAGC | TACTCTGGAG | 185880 |
| GCTGAGGCAC | AAGAATCACT | TGAATCCAGG | AGGTGGAAGT | TGCAGTGAGG | CAAAATTATA | 185940 |
| CCACTGTGCT | CCAGCCTAGG | CAACAGAGCT | AGACTCTGTC | ACACACACAC | ACACACACAA | 186000 |
| AAGAAAAGTG | TATGACAACA | ACAGTGCAAA | AGAAGTGGA | ATGAAAATAA | TGTTATTTTA | 186060 |
| TATAAGTGGT | ATACTTTTAG | ATGAACTACG | ATAAATTAAT | GATGTATACT | ATAAACTCTA | 186120 |
| AGGCAACCAC | TGAAATAATG | AAACGAAGAA | TTATGGCTAA | CAAGCCACAA | AAAGAAATAA | 186180 |
| AATAGAATGA | GAAAAAATAT | TTAAGTTGTT | CAACAGATGG | GAAAAAAAAG | AGGAAAAAGA | 186240 |
| GAACAAAGAA | CAGATGGGAC | AAATGGGAAA | GTAATAGCAA | GATGATAGAC | TTAACTCTAC | 186300 |

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|--------|
| CCATATAGAT | TATCACACTT | AAGGTAAATG | ATCTAAATAC | TCTAATACAA | AAGCAGAGGT | 186360 |
| TGTCAGATTG | AATTAAAAAA | ACAGACAACA | ACAAAAAAA | GCAAAAAAG | AGCCACAACA | 186420 |
| TGCTGCCTAC | AAAAAATTCA | CTTTAATATA | AAGACACAAA | TAGTCTAGAA | CACCATCACT | 186480 |
| TTTAACCTTA | TTTACTCAAA | CCTCCTGATC | CCTATTTATT | TATTTATTTA | TTTATTTATT | 186540 |
| TATTTATTTA | TTTATTTATT | TTTGAGACAG | AGTCTGACTC | TGTTGCCAG | GCTGGAGTGC | 186600 |
| AGTGGCACCA | TCTAGGCTCA | CTGCAGCCTC | TACCTCTCGG | GTTCAAGCGA | TTCTCCTGCC | 186660 |
| TCAGGCCTCC | CAAGTAGCTG | GGACTATAGG | CACATGCCAC | CATGCCCAGC | TAATTATTAT | 186720 |
| ATTTTTAGTA | GAGACGGGGT | TTTGCCATGT | TGGCCAGGTT | GGTCTCAAAC | GCCTGACCTC | 186780 |
| AGCCTCCCAA | AGTGCTGGGA | TTACAGGCGT | GAGCCACAGC | ACCCAGCTCC | TCTTCATTTA | 186840 |
| TTCTTGCTAC | GCTTCCTCCA | ATCCATTTTG | TGCATTTGAT | GATTTTGCCA | GTAACCTCTT | 186900 |
| TATTTTTCTG | GTAAAATTAC | TTATGGGTCA | CTGAGGACTG | GGATGTTCTT | TCTTCTAGAG | 186960 |
| GGGGTTTGTG | TCTGCTTTTG | CCAGGAAGCT | GGGGTACCAC | CAGTCAAGTA | TTACTTTAAA | 187020 |
| CTCAATTCAT | GAATTGAGAC | TTTTTTTTTT | TTTTTTTTTT | TTACGCAGAG | TCCTACTCTG | 187080 |
| TCACCCAGGC | TGGAGTGCAG | CGGTGTGAAC | ATGGCTCACT | GCAGCCTCAA | CCTACTGAGC | 187140 |
| TCAAGCAATC | CTTCTGCCTC | ACCATTTCTGT | ATAGCTAGGA | CTACAGGTGT | GTGCCACCAT | 187200 |
| GCCTGACTAA | TTTTTTAAAT | ATTTTTTTTA | GAGATGGGGC | TCACTTTGTT | GCCCAGGCCA | 187260 |
| GTCTCGAGCT | CCTGGGCTCA | AGTGATCCTC | CCACCTTGGT | CTCCCAAAGT | GCTGGGGTTA | 187320 |
| CAGGCATGAG | CCTCTGTGGC | TAGCCAAGAC | TTTTTATTTT | TTAGCCTAAA | TGTGTATAAA | 187380 |
| AGTTGGCTTG | TGGTTACAAC | TTATCAGGAT | TGATGATCTC | TCTCTCTCTC | TCTCTCTCTC | 187440 |
| TCTGTCTCTC | CCCACCTCTC | TCACATCCCT | TGCTCTGCTG | AGAAGCAGAG | CAAACATTCT | 187500 |
| AGCAGTTTCC | AGAGAGTAGG | ATGGGATTAC | TTCTAGTTTA | CTTTTATCAT | CCTTTGGGAT | 187560 |
| CGCAGTATTA | CTGGGAGAAC | ACAAGTATCT | CTTATTAGAC | ATACCACCTT | TGTAGAATCT | 187620 |
| GGACTTTCAT | TTTAGACTTT | ATTTGTTTTT | TACTATAAGC | AATTTAAGTT | ACAGATCTCT | 187680 |
| CTACACACTG | TTTAAGTTGC | ATCCCATGAA | TTTTGATGTG | CTTTATTGTC | ATTATTATAT | 187740 |
| AGTACAATGT | ATTTTGTAAT | TTTTTGATGAT | TTGTTTGGAG | AGATTGATTA | ATTAGAATGA | 187800 |
| TGTTTAATTT | CCAAATATGT | GTGTTTTTTT | CTACATTTCT | TATTTTTATT | GATTTCAAAT | 187860 |
| TTATTTCTAC | TGTAGTCAGA | TTTAATAATT | CATTTATTTT | TATTATTTTC | ATTTTTTTAG | 187920 |
| AGACAGGGCC | TTTCTGTGTT | GCCCAGGTTT | GTCCCAAAC | CCTAGTCCCA | AGCAGTTCTC | 187980 |
| CTGCCTCAGC | CACCCAAAGT | GCTGGGATTA | TAGGCACGAG | CCACCCGTGC | ACAACCAACA | 188040 |
| ATTCATTTAA | AAAGTGGGCA | AGTGAACCTGA | ACAGACATTT | CTCAAAAGAA | GGCATACAAT | 188100 |
| TGGCCAACAA | ATATATGAAA | GAATGCTCAA | CATCACTGTA | TTAGTCTGTT | TTCATGCTGC | 188160 |
| TAATAAAGAC | TTAACCTGAG | ACTGGGGAAT | TTACAAGAGA | AAGAGGTTTA | ATGGACTTAC | 188220 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|--------|
| AGTTCCACAT | GGCTGGAGAG | ATCTCACAAT | CATGGTGGAA | GGCAAGGAGG | AGCAAGTCAC | 188280 |
| ATCTTACATG | GATGGCAGCA | GGCAAAGAGA | GAGCTTGTGC | AGGGAAACTC | CCGTTTTTTAA | 188340 |
| AACCATCAGA | TCTCGTGAGA | CTCATTCACT | ATCATAAGAA | CAGCATAGGA | AAGACCCGGC | 188400 |
| CCATAATTCA | GTCACCTCCC | ACTGGGTTC | TCCCAGGACA | CATGGGAATT | GTGGGAGTTA | 188460 |
| CAATTCAAGA | TGAGATTTGG | GTAGGGACAC | AGCCAAACCA | TATAAATAAC | TAATCATCAG | 188520 |
| GGAAATGCAA | ATCAAAACCA | CAATAAGGTA | TCATCTCACC | CCAGTTAGAA | TGGCTATTGT | 188580 |
| CAAAAAACA | AAAAATAACA | AATGCTGGTG | AGGATGTACA | GAAGAGGGGA | CTCTTATGTC | 188640 |
| CCACTGGTGG | AAATGTCAAT | TAGCATAGCC | ATTATGCAAA | ATAGTATGGA | AGTGAGGTAG | 188700 |
| GTTACATAGG | GTGGTCACAG | CCTCCCTTGA | AAGGAAACAA | GAAACTTGTC | AAATTGATGG | 188760 |
| AGAGAACAAA | TCTCTTGACA | TTACACAAAC | TGCATCTGGG | GCTAGTGGTT | AGAATATCCT | 188820 |
| CAGTCAAGGA | GGTAGAAGAG | CAGGAGGGAA | AATCCCTAAG | TTCGTGCAAG | TGCAGAAACC | 188880 |
| CACAAGCTGT | GTTCTCAGGT | TGACATATAC | TCATTTTAAT | AGTAAGAAAC | ACACCCTTGG | 188940 |
| GTAGAGAATT | AAAATGCTAA | TAATACATGT | GATGTATGTA | CTAGCGTGTA | TGGCAATATT | 189000 |
| GCATGCACAT | TCAAGAGACC | ACCCAAAACA | TATTTAACAA | CAATGCCCAT | TCCCACCCCC | 189060 |
| TCATGGATAA | TCACGTAGGA | CTCCCATAAC | GGGAGTTTCT | TCAGTGTCAA | TTGGTGCTGA | 189120 |
| AGTAGCCGAC | CCTGACTCTG | CTATCAGCGT | GTACTTTCAC | CTTGCAATAA | ACTCCTTTGC | 189180 |
| CTACTTTTAC | TTTGGACTGG | CTTTCAAATT | CTTTTGTGCA | GGGAATTCAA | GAATCTGAAC | 189240 |
| CAGCCTACTG | ACAACAGAGG | TTTCTCAGAA | ACCTAAAAAT | AGATCTACCA | GATGAGGCTG | 189300 |
| AAAATCTGCT | ACTGGCTATT | TATCCAAAGG | GAAGGAAATC | AGTATACAAA | GAGACACCTA | 189360 |
| CATCCCCATG | TTTATTGCGT | CACTCTTCAC | AAGAGCTGAT | ATATAGAGTC | AACCCTAAAT | 189420 |
| GTTTCATTAAC | AGACAAATGG | ATAGAAAATG | TGGCATATAT | ACACAATGAA | ATACTATTTG | 189480 |
| GCCATGAGAA | GAATGCAATC | TTGTCATTTG | TGGCAACGTA | GATGAAACTG | GAGAACATTA | 189540 |
| TGTTAAGTAA | GATAAGCTAG | GATTGGAAAG | ATAAATACTA | CATGTTATCA | CTCATATGTG | 189600 |
| AAAGTAGAGA | AAAATTTTTA | GCTCATGGAT | TTAGAGAACA | GAACTGTGGG | TACCGGAAGC | 189660 |
| TGGGAAGGGT | AGCAAGGAGG | GGAGGATAGG | GAGAGGTTGG | TTAATGGTGA | CAAAATTACA | 189720 |
| GCTAGATTGT | AGAAATGAGT | TCCGGTGTTT | TGCACCATTG | TAGGGTGCAT | ATGGTTAACT | 189780 |
| CTCATTTATT | GTATATTTTC | AAAAAGCTAG | AAAAGAATTT | TGAATACTCA | CAACAAAATA | 189840 |
| AATGATAAAT | GTTTAAGGTG | ATGGATATAC | TAATTACTCT | GATTTGATTA | TTACACATTG | 189900 |
| TGTACACATA | TAAAAATATC | ACTCTTTATC | CCGTATATAT | GTACAGTTAT | TATATGTCAA | 189960 |
| CTAAAAATAA | AAGAAAAAAA | GAATATGATC | TATCATGATG | TATATATCAT | GTGTACTTGA | 190020 |
| GCAAAATGTG | CATGCAGATA | TTGTGTATAA | TGTTCTATAA | ATCAATTAGC | TCAAGATAAT | 190080 |
| AGATAGGATT | GTTCAGATCT | TCTGTGTCTT | TACTGATATT | TTGTCTAGTT | ATTGCATCAT | 190140 |

| | | | | | | |
|------------|-------------|------------|-------------|------------|-------------|--------|
| TACCAAAAAA | AGGGTGTAA | ACTCTCCAAA | TGTGATTGTA | GAATTGTCTA | TTTTGTCTTT | 190200 |
| TCTTTTCCAT | TTTTACTTTA | TGTATTTTGA | AACTCTGTTA | TGACATTTTG | CTATGTATTT | 190260 |
| TAAAACTTCG | TTATGTATTT | TGAAACTCTG | TTGTTAGAAT | CATACATTTA | TGATTATTAT | 190320 |
| GTTTTCTTGA | TGAAATGACA | CTTTTCTATT | GTCATTGTTT | TTGTTTTTTC | TGAAATGGAG | 190380 |
| TCTCACTCTG | TTGCCCAGGC | TGGAGTACAG | TGGCACAATC | TTGGTTCACT | GCAACCTCCA | 190440 |
| CCTCCTGGGT | TCAAGCGAGT | CTCCTGACTC | AGCCTCCAAG | TAGCTGGGAT | TACAGGCATG | 190500 |
| TGCCAGCATG | CCAAACTAAT | TTTGTATTTT | TATTAGAGAC | AGAGTTTCAC | CACGTTGGCC | 190560 |
| AGGCTGGTCT | CGAACCTCTG | ACCTCAGGTG | ATCCGCCCAC | CTCGGCATTT | TTATTTTATT | 190620 |
| TTATTTTTTT | GAGACAGAGT | CTCACTCTGT | CACCCAGGGT | AGAATGCGGT | GGTGTGATCT | 190680 |
| TGGCTCACTG | CAACCTCCGC | CTCCTGGGTT | CAAGCAATTC | CCATGCCTCA | GCCTCCCGAG | 190740 |
| TAGCTGGGAT | TACAGGCACA | TACCACCATG | ACTGGCTAAT | TTTGTATTTT | TTAGTAGAGA | 190800 |
| TGGGGTTTTT | CTATGTTGGC | CAGGCTGGCA | ACTGACTCCT | TTAACAATAC | AAAATATCAC | 190860 |
| TCTGTCTCTG | GTAACACTCT | CTGTCTTAAA | CTCTATTTTA | GCTGTTATTA | TTATAGCCAT | 190920 |
| TTTAGTCTTT | TTATGCTTTC | TGTTTGCATA | GTGTATATAT | TTAATATGT | TTATTCTCAA | 190980 |
| GTTATCTGTG | TTTTTATATT | TAAGATGTTT | CTCTTCTAGC | CAACGTGTTT | GGTTCTTGCA | 191040 |
| TTTTTAAGTC | GATTCTAACA | ATCTTTGCCT | TTCAATTGAA | ATATTTACAC | CATTAACATC | 191100 |
| TAACATTAAC | ATTTATTTTT | CTTTCCACAG | TACACTGGCT | AGCATCTCCC | ATATAATATT | 191160 |
| GAACATAAAG | TGTGATAACT | GACATCCTTA | TTTCATTCCCT | ACTCTGAGTG | GAAAGGGCAG | 191220 |
| GGGTGGAGAA | AGCATTCAAC | AATTTGCCAT | AATTATAATG | CTTTTTGTTA | CACTGTTTTTC | 191280 |
| TTCTGCATTA | AAAATATCA | TTACATTTTG | CATGAATTAT | TAGGAGAAAA | TATTTTCCAA | 191340 |
| TTTTCTGGA | AAATGCCATA | ACCACGTCTC | TCAATTTTGT | TTCCATCTTT | CTTCCACATT | 191400 |
| TTACATAACC | TACATAAGAG | ACACATTATC | AAGTATATTT | TACATGGCTT | CTCAGTGTCT | 191460 |
| TCTCTGTCTG | CTAACAGGTT | TACCAAGAGA | TGGCACTCTT | GTATTTCTGG | TGGCTATGTC | 191520 |
| CATATCGTTT | TGCCTTTAAG | ACAGCGTAAC | TACTTCTTTC | ACCAGTATTA | AAGACATGTA | 191580 |
| CATTTGATCT | GGTTCTTG TG | GATGATTTTA | AATGACTCAA | GCTAATAATC | CTAATTTTAC | 191640 |
| CTAAACACTC | CATTATTTTA | AAATGTATTC | CTTTATGCCC | ACAATAAACA | TTTATTGACA | 191700 |
| TTAGGCTGGA | CATTAGGCTT | CTCTATGGCA | GACATTAGGC | TGGACCCTAG | CCATATATCT | 191760 |
| ATTGAGGGAA | AAAAAATTAT | TTTCTATATA | AGTTTCCAGA | AAGCCAAGAT | GTGTTTTAAA | 191820 |
| AACAAAACAA | AACATTACAT | TCTAAATGCT | GTAACAAGAT | AAGAAAAAGT | GTTGAGGCTG | 191880 |
| AGAGAAGAAC | AAAGCAGCAA | GCAACTCCTG | GAAGGACCAC | TGCTGCAGAG | GTAATAACTG | 191940 |
| GTGAACCATG | TTTTGGAGAA | GGAAAAGGTC | ACCAAGAGAA | GGAGGGGGTC | CAGGGTGTTT | 192000 |
| AGAAAGATTG | CATGCATAAA | GATCAAGGGT | AATAAAAAAA | ATTCCGTATT | ATGTAAATGT | 192060 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|--------|
| GAAGTTCCAG | GACCATGAGC | TTGGAGAGCA | TGAAGTACAG | GAGGAGGGTT | GGTTTCAAAT | 192120 |
| AAATCTGGGA | ATGAAACAGT | GAAGCCTCTG | GCAGAACTCA | CATCTCTTTC | CTCCCTCTTT | 192180 |
| CCTTGACAT | TCCCTTTATG | GAGTAATTGC | AGGGATGGGA | AAAGTTCAAA | ACCACCACTG | 192240 |
| AGCCTAGGAA | GTGCTAGGGT | AAAGTGGAGA | ATGAACCTGC | GTGATTTGCT | CATCCTAAAC | 192300 |
| TAGGTTCTTC | TAGGAGAGCC | CTTCCCCATA | AAATCTGCCC | TCCTCGAAGG | GGCCAGACA | 192360 |
| GCCTAAGCTC | ACCTCCCAAA | GACCCCTTAC | TTGCTGACTG | AATCTGATTC | CACCCAGACA | 192420 |
| TGGCCTAAAA | CCCTTCCATA | ACTCTATAGC | CAAATTCAAT | TTTAGACAGG | CCTCATACCA | 192480 |
| ACCTTTCTTC | CTCTAAGTCT | GCCACCCTAG | GCAATTCTCA | ACATTCTCTA | CACACTTTGG | 192540 |
| GGCCATAGAC | GTGCTACCAA | GTCTCCAGAC | CTAGACCTGA | TGGAGCAGTG | CTGTAATGAG | 192600 |
| ACGACCACTG | GCCTTTGAAC | CAGACCCTTC | TCTGTGGCTC | CTATGCATCT | CCAACCTGTT | 192660 |
| TTGAGCACTG | CTGCCAAGAC | ATCTTTGGCA | CTTTGTGTG | AAGTTTAAA | ACTGAACTAA | 192720 |
| TCTACAAAAC | ACCTAACCTT | TAAAAATTCA | TTGTCATTTT | ATATCATGAA | AGATAAAGAA | 192780 |
| AGGCCAGGAA | ACTGTTCCAG | GTTAATAGAG | ACTAAAGAGA | TAGCAACCAA | ATGCAATTTG | 192840 |
| TGATCCTGGA | TTGAGGGGAA | AAAGTGTGT | CAGAGACATG | ATTGGGACAG | CTGGTAAAAT | 192900 |
| TTGAATTTGA | ATTTAAAGAT | AAAGTATTGA | GTAATATAGG | AAGATGATTA | TCTGCAACTT | 192960 |
| TCAAATGTTT | CAGTAAGTAT | ATATATATAT | AAAGAGATAT | AAAGACATAT | AAATAAATGG | 193020 |
| ATAGGTAGAG | AAAAAGCAAA | TGTATAATAT | TAACAATCTA | GGTAAAAAGT | ATATGAGTGT | 193080 |
| TCTTTGTACT | GTTTTTCTGA | TTTTTCTATA | TGTTTGAAAT | CATTTTAAAA | TAAGAAGGTT | 193140 |
| TTTGGGTTTT | TTTTGTTTGT | TTTTTGTTTT | TAGAGACAGC | ATCTTATTCT | GTCACCAGGC | 193200 |
| TGTAGCTCAG | TGGCCCAATC | ATTGCTCACT | GCAGCCTCAA | CTTCCTGGGC | TCCAGTAATT | 193260 |
| CCCCCTACCT | CAGGCTCATG | AGTAGCTGGT | ACTTCAGGTG | TGCACCACTG | CACTCAGCTA | 193320 |
| ATTTTTATTT | TTTAAATTTT | TGTAGAGATG | GCATGTTGCT | ATGTCACCCA | GGCTAGTCTC | 193380 |
| AAACTCCTGC | CCCCAAGTGA | TCCTCCCACT | TTGGCCTCCC | AAAGTGCTAG | AATTATAGGC | 193440 |
| ATGAGCCACT | GCACCCAGCC | CCAAATAAAA | AAGTATTTTA | TTTAAATTAA | CTAATTAACT | 193500 |
| TTGAGTCAGA | GTTTCACCTT | TGTCACCCAG | GCTGGAGTGC | AATGGCATGA | TGTTGGCTCA | 193560 |
| CTGCAAACCTC | TGCCTCCTGT | GTTTAAGCGA | TTCTCTTGCC | TCAGACTCCT | GAGTAGCTGA | 193620 |
| GATTACAGGT | GCCTGCCACC | ATGCCCAGCT | AATTTTATA | TTTTTAGTAG | AGACGGGGTT | 193680 |
| TCAGCATGTT | GGTCAAGCTT | GTCTCAAACCT | CCTGACCTCA | GGTGATCCAC | CCACCTCCGC | 193740 |
| CTCCGAAAGT | GTTGATGAGC | CACCACACCC | GGTCTAAAAA | GTATTTTAAA | ACCACAGTCC | 193800 |
| CACTCTACCT | TGTCCTACAC | TACCAGGGGC | TAGGATCACC | CCATGTCTTC | TAGGCTATGA | 193860 |
| GATAGAGGAA | TCCAAGGAAG | AAGATAAGCT | ACTTGGTTCC | TCTATAGGGT | CTTGTGTGTG | 193920 |
| CTCTCATGTG | CTCTCTCTCT | CTCTCTCTCT | CTCACACACA | CACACACACA | CACACACACA | 193980 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|--------|
| CACATGAATA | CCAGAGCTAT | CACTTTCCCA | GTCTAGTACT | CATCTCATCC | CAAGGGTTTT | 194040 |
| GTGTTGTAGT | GGTTTGCTCA | TTTCTTTGTT | TTGTTTGT | GCTTGGATTA | TTCTTTTTCT | 194100 |
| CTTTTTGCAG | CTGAAGGGAG | AATTTCCAGG | CCAGCCCTTT | GGCCATTAGA | GTTACAGTGC | 194160 |
| CTCTATTAG | GCTTCATAGA | GAGACCTGGG | ATTCAGTAGT | GGGGGGCTTT | TATCCAGTTC | 194220 |
| AAAATAATGC | ATTCTCACCA | AGATGTACTT | TGAAATAAAA | CAATACTAAA | ACACAAAATT | 194280 |
| TTATTTATGC | TGAACATTGA | ATCACTTTTT | TCTGTATTTT | GTGTAGAAAAG | TTATACACAC | 194340 |
| ACAAACACAT | TTGCTCCTGC | TTTGTTTATT | GGCCCAGGGG | TATGTTTGGT | AATACTTCAT | 194400 |
| CAGGCATGAG | TAGTACGTCT | TGGAAGGTGT | GGTCTAAAGC | CTAGACTCCT | ATCTGCTTCC | 194460 |
| TTCAGCATT | TCCAGTGTAT | CTGTCATCTG | TCTACCTTAG | GATAGGGGTC | TCCAGAACTT | 194520 |
| CCATTACAT | TTAGAAGAGG | GCAGCGGCTT | TCTATGGAAA | ATATGAACTC | TCATTATCT | 194580 |
| CTATTCCTT | TTCTAGCTAT | GGTCCAGCTC | AGCTGTTTGG | AATAAAGTAT | CTATATGAAG | 194640 |
| TCTGCGAATG | GTTCTCAGAC | TGGTTGAACA | TTAGAATCAC | CTGAGTACCT | TCTAAAATTC | 194700 |
| TTATTACCCA | GGGCATATCT | CAGAATGAGT | ACCGCAGGGT | AGGGATAGGA | TTAGGGATCA | 194760 |
| TGATCTCTGG | AGTCTGGTTT | AGGCACTAGT | GCTGTTTAAA | ACTACGTTCA | TGAGGTGGAG | 194820 |
| GTTGCAGTGA | GCCGAGATGG | CGCCACTGCA | CTCCAACCTG | GGCGACAGAG | TGAGAGTCTG | 194880 |
| TCTCAACAAA | ACAAAACAAA | AAAAACCAAC | TACCCTTGTG | ATTTGAATGT | CCATCCAAAA | 194940 |
| TTGAGAACCA | TTAGGTAAGG | CCAAGCTGTA | TAATTAAAGA | GCAGTTTTCA | TTTGTCTGGT | 195000 |
| GTGGTGGCAG | CTTTTTGATA | AGGGAAGTAT | TGTTGCCATC | CACATACCTG | AGCCTCACTC | 195060 |
| CTGAGAACAC | TGGTGTGTAT | GTTGCTAAAA | TTCCCCAGGT | GATTCTGAGG | TTCCTTCCTG | 195120 |
| GATAAAACC | ACTGACCCTG | GGAATGTACC | CACTGCCAAT | CTCCTGCGTA | AACCTTGGAT | 195180 |
| ACTGGGAAGC | CTACAGTTGA | AAATATTGGG | CTTGAGATCC | TGAAACAAAT | CTTGTATTTT | 195240 |
| ATTAAGACTA | ATATTTGGTA | CAGTGCAGCA | AATCAAGGGA | ATTTTGGTGG | CTGAGTTCTT | 195300 |
| TTAGAACTTT | TGCATTGAAA | TAGGTTCAAG | CAGCAATAAG | TTAAAACTAC | AACCTCAGCT | 195360 |
| AAAGGATTAA | AAGACACGTG | AGCTGGGTAG | GATGAGGTCT | AAGGTTGGGT | GTGGCGGCTC | 195420 |
| ATACCTGTAA | TCCCAGCACT | TTGGGAGACT | GAGGTGGGTG | GATCACTTGA | GGTCAGGAGT | 195480 |
| TCAAAACCAG | CCTGGCCAAC | ATGGTGAAAA | CCCATCTCTA | CTAAGAATAC | AAAAAAATTA | 195540 |
| GCTGGGCGAG | GTGCCAGGCA | CCTGTAATCC | CAGCTACTGG | GGAGGCTGAG | GGAGGACAAT | 195600 |
| CACTTGAAC | CAGGAGGCAG | AGGTTGTAGT | GAGCTGAGAT | CGCACCCTG | CACTCCAGCC | 195660 |
| TGGGTGACAG | AGCAAGACTC | CATTTAAAAA | AAAAATAATA | ATAATAACAA | TAATAATAAT | 195720 |
| TCAGACATAT | CCAGGCATCA | AACAGATACC | TGGGGCAGAT | GAATAGTCTT | GAGATTCAAG | 195780 |
| TCACACATGA | AATTTAGGTG | GAAAATGACA | TTGGAGAAAT | TTGAGATTAT | GATGAATGGA | 195840 |
| AATTTTTCAA | AGAGGAATTT | CAGGCTCTGT | TCTTGAGGGG | ATAGATGGAC | TTCCAACAGC | 195900 |

| | | | | | | |
|------------|-------------|-------------|-------------|------------|------------|--------|
| AATAACACAG | GATTAATGAG | GACTTGGGAT | GTTACATAAA | TTAGAGATGT | TAGATGGATA | 195960 |
| AAGAGATAAA | AGTACTCTCT | CTAAGAACAT | GGGACCAGAG | ATAGGCTCAC | TTCTAACCAT | 196020 |
| CAGATATAAC | TAGCAGACTA | AACGGTCTAA | AAATAAAAAAT | CATGCCCCAC | TCCTGCTTAA | 196080 |
| GACATTTTAA | TTACTCTCAG | TAACCTTTCA | GTTTTTCTAC | TGTGTTATCT | TTAACTACAG | 196140 |
| GGTTGGTCTG | GGTGTGCAAC | ACAAGAAAGC | CTGGCATATA | CATGGATTCA | AGTGTATGCC | 196200 |
| ATGTGCAGGT | ATTCTTTTCAT | GTACTATTTT | ATGTATTCTT | TTTCACATCT | GTTTTTTTCT | 196260 |
| TCATTGAAGT | CAATGGCTGA | TATTAGATT | TACTATTTCAT | GTGTACTAGT | TATATATAAT | 196320 |
| TGTTACAAAA | CAAATTAGCA | AAAACCTTAGT | GGCTTAAAGC | AACACACATT | TATTATTACC | 196380 |
| TAAGGTCTGT | GGATAGAAGT | TCTGACATGG | CTTAACTGGG | TTCCCTGCTT | CAAGCCTCAT | 196440 |
| GTGGCTGCAA | TCCAGGTGTT | GGCTGAGTCT | GAATTCTCAT | CAGAGGCTTG | ATTGTGGAAA | 196500 |
| TTTCCACTTC | CAAGCTCCCT | CAGGTTTGTT | GAAAAATTCA | GTTCTTTGCA | CCGGTAGAAG | 196560 |
| CTTCTTGGTA | GAGGCTGATT | CAACTTCTAG | AGGCTGTCTG | CAGTTCCTGT | CACCCAGGGT | 196620 |
| GGAGTGCAGT | GGAGCAATCA | TAGCTCACTG | CAGCCTTGAC | CTCCCAGAAT | CAATCTGTTC | 196680 |
| TCCCACCTCA | GCATCCTGAG | TAGCTGGGAC | CACAAGGTG | TGCCATCACA | CCTGCCTAAA | 196740 |
| AAACAAACAA | ACGAAAAAAA | ACCCCCAGAG | AACTTTGTAG | AGACAAGCTG | GTCTGGAAC | 196800 |
| CCTGCGCTCA | AGCAATTCTC | CTGCCTTAGC | CTAAAAGTTC | TGGGATTATA | GGTATAAGCC | 196860 |
| ACCATACCTG | GCATATGGCA | AGTCTTGAGC | AGGACAAATA | CAGATGATTT | ATGTCTGTCT | 196920 |
| TCCATGGTAT | TCTAGGTTAT | TGTTGAGATG | GTCCTCTATT | GTCTTGTTCC | ATCTATTGAT | 196980 |
| TAGATAAAAC | GTTGTTTCCT | CTGTTATTTT | TCAACAGTAG | CTTTTATGTG | TCTCTCTTTA | 197040 |
| TCTTAAATTT | CTAACCAAAG | AGCTGCTCTT | TTCTTGGTGT | ACTTTACCTT | TGGTTGATCC | 197100 |
| TTCTTAACTT | CTTCTTGCCC | TCTGGGGCCT | AAGATGAGGG | CTGTTATCAG | ATGTGAGTCT | 197160 |
| ATGGGAAAGC | AAGCAAGAGG | TTCTTCAGCC | TCCGTTGAGC | CTTAAATGTC | TAGGTAGAAA | 197220 |
| TCAGTCATGG | CCCTTCCAAT | GTGGTACAGA | CCAGATCACA | GAGACAGGGG | TCTCAGCCAA | 197280 |
| GGTCTTGTGG | CCTAAGCCTT | ATAGAAATAA | TGAGTGTTTA | CTTACTTGGA | GAACCTCCCT | 197340 |
| GGAATATCTT | TTTTTGTGAA | CCTGAGGCAA | CTTTTGGTGA | TTTCTTGATG | TCTTGGAAT | 197400 |
| CTTGGTCTAG | AGCCATTTCA | ACCCGATTTT | TTTTCATGTC | AGTGGCATTT | TGTGACCAGA | 197460 |
| TAGTAAATAA | GTTCTATGAT | GTTCACTCAG | AGAAATACAA | TGACTTATGA | TGCGAAGCTT | 197520 |
| CTGTGGTTCA | GCCCTTACTT | CATCTTCATT | CCCTCTTATC | TGCATCTGTC | TCCTGCTTGG | 197580 |
| GAACAAAAGT | CTGGCTTCAT | TCTATGACCC | CCACGTTGAG | TTTCTTAGTA | GCACTTACTT | 197640 |
| TTCAATTAGG | AGTGTCTCTA | CTTCTATCCG | TCAGACATAA | CTAGCCGACT | AAACAGTCTA | 197700 |
| AATATAAAAA | TCATGTCCTA | CTCCTGCTGA | AAACATTTTA | ATTACTCCCC | ATCATTTAAT | 197760 |
| TTTTTCTACT | GGGTATCTT | TAACCTCAGA | GTTGGTCTTG | TGTGCAACAC | AAGAAAACCT | 197820 |

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|--------|
| GGCATATACA | TGGATTCAAG | TGTATGCCAC | GTGCATGTAT | TCCTTCATGT | ACTATTTTCAT | 197880 |
| GTATTCTTTT | TCACATCTGT | TTTTTCCTCT | AAAATTTATT | TCCTTTTAAA | AATGAAAATT | 197940 |
| TTGCATTTGA | CTAAATTTGT | CAAATTTAGT | CAAATTTGTT | TAAAACCATT | TTTAAAATGT | 198000 |
| TTCCCGAAGT | TTTGAGTGAA | GTTAGTACTT | CAGAAAAACT | GTTTTGTATT | TTTCCTGTGA | 198060 |
| CCTCAGTGCA | CTGCTGTGCA | TTTCCATTTC | TGCGTCCACA | CACATTGTGT | TTGAGGAAAT | 198120 |
| ATAGGAACGA | CAAGATAAAG | TTCAAGCTCC | TGGACATTGC | ATAAAAGACC | GTCATGACCT | 198180 |
| GGTCCTGTTG | ACTTCCCTAG | ATTTCCCGCT | ATTTCCCTAAG | TTGAGATTTT | TGGTTTGGAT | 198240 |
| GCTTTGTGTT | TTCTATAAAT | CAAAATAGGT | TTTTGCCTTT | TATGATTATA | CAGTAAATAA | 198300 |
| ATGCTATTTG | TGTGAAACTT | TAAACAATAC | AAAAAAAACC | TAAGGAAGAA | AGTCAGATTC | 198360 |
| ATCTAAAAAT | CCTTGTGGCC | AGAATTAACT | ACCTTAGTTA | CTATTTTCTC | TATCTCTCTC | 198420 |
| TCTCAATGTA | TATTTGGTGT | AGGTATAGGG | GTGTGTGTAG | TGTGTGTGTA | TGTATATATC | 198480 |
| TGTTTCTATT | CCTGTATGTG | GATGTGCACA | ACGCATCCTG | CTTTGTACAC | TACAGTACTA | 198540 |
| GCATTTTTCT | AATGTAATTC | AATATTGTTG | AAAACATTTT | AAAAAAGCTT | GTATATATAC | 198600 |
| ACACACATAC | ACATACATGC | ATGTATGTAC | ATATACACAT | ACAGACAAAA | ATGTATCCTA | 198660 |
| TGTATATTCA | CACATGTATA | CACACTCACA | CATACATAGA | GTTTTACATC | CATAGTTTAT | 198720 |
| AAATGTTGCT | TTTTTTTGGT | CACCTTTTTG | CTAAGTCTTA | CACTTTTTTTT | TTTTTTTTTTT | 198780 |
| GAGACGGAGT | TTTGTTGTCA | TTGCCCAGGC | TTAGTGCAGT | AGCGCGATCT | CACCTCACTG | 198840 |
| CAACCTCGAC | CTCCCGGGTT | CAAGCGGTTT | TCCTGCCTTA | GCCTCCTGAG | TAGCTGGTAC | 198900 |
| TACAGGTGTG | CGCCACCATG | CCTGGCTAAT | TTTTGTAGTT | TTTTTATAGA | GACGAGGTTT | 198960 |
| CACCATGTTG | GCCAAGCTGG | TCTGGAAGTC | CTGACCTCAA | GTGATCTGCC | TGCCTCAGAT | 199020 |
| TCCCAAAGTT | CTGGGATTAC | AGATGTGAGC | CACTGCACCC | GGCCAAGTCT | TACACATCTT | 199080 |
| TTTTTTACCA | CTAAACTGTT | TACCCAAACC | TGATAACCCA | AGTCAACAGC | TATTATGGCT | 199140 |
| CACACAATCT | TATGTAAACA | AAGATACAGA | TATATAGAAT | TTTCTTGATT | AATATTCAGA | 199200 |
| AAAAAATGGA | GTCCCTTTAT | ACGTCCTTAG | TATCTGCTTT | ACTCATTTAA | AAATGTATTA | 199260 |
| CATTATATGA | AAGTATTCAG | GTCAAATGTT | ATAGATGTGA | TTCATTCTTT | TTAACTGTGT | 199320 |
| TATTTTTCTG | CAATGACTAT | GTATCACAAA | GTAATCAGTC | TTCCACTGAT | GAAAATTTGG | 199380 |
| GCTATTTCCA | GTTTGTCTTC | CATTTTCTTT | TCTTCCTCTT | GGATTTTCAC | TCAATGTGTT | 199440 |
| TACTAATTTA | GGAAGAATCA | ATAGTTTTTA | TGGTATTACT | TCTCCCATTC | AAGAATATAG | 199500 |
| CATATGGTAT | AGTATAGTAG | AGTACTTAGT | TTAATTTAGC | CAGATCCTGT | TTTCTGCCCT | 199560 |
| TTAATAAAAT | TCTATCATTT | TCTGCCTTTG | AGTCACATTT | TCCTTGTTCA | TATAATTCTT | 199620 |
| AAAAAATGTA | TAGTTTTTCAT | TCTAAGGGAA | CATAAAAACT | TCTTTCCATT | TCTATTCCTG | 199680 |
| TCTAGTTAAT | TCTACTATTG | GGAAAAAGTAA | CTGTTAAAAA | AAATTCTTAT | CTTTCCAGTC | 199740 |

| | | | | | | |
|-------------|------------|------------|-------------|-------------|-------------|--------|
| AGTTCACCAC | ATTTCCTTTA | TACCTTTGTA | CTTTAATCCC | CAGTCATGTT | GAACACTTCT | 199800 |
| TATTCCTCAC | ACCAAGCCTC | AACGGGTTTG | CTCTTTCTGG | AAGGTGCTTC | CCCTGTATTA | 199860 |
| CTGACTTATT | CATACCACAC | ATGGAGACTG | GCGCAGCCCT | GTTCTGCCTG | GGAAGCCTTC | 199920 |
| CCCTGATACC | CCCAGTTGGC | AGGAGTCTTC | ATTTGTTCTT | TTCTAGTCAC | CTGTGCAAGT | 199980 |
| TTGTATTGTT | CATGTTTATC | ATCCTTCATT | CTAGTTGTCT | GTCTCTGTGT | GTGGTCTCAT | 200040 |
| TCAGTGGACT | CTGAACTCTT | ATGAAGTCAT | GTCATGGGTC | AGATCTTAAT | AAATTAATAT | 200100 |
| TGTCGGAAGC | TAATGTCATG | TCTAGAATAC | AGAAAATTTA | TCAAAAAAAAA | ATATAGTATG | 200160 |
| TTGGCTGGGC | GCAGTGGATC | AAGCCCGTAA | TCCCAGCACT | TTGGGAGGCC | GAGGCAGGAG | 200220 |
| GATCACATGA | GGTCAGAAAT | TCAAGACCAG | CTTGGCCAAA | ATGGTGAAAC | CTCATCTCTA | 200280 |
| CTAAAAATAC | AAAAAGTAGC | CAGGCGTGGT | GGTGCCCACT | TGTAATCCCA | GCTACTCAGG | 200340 |
| AGGCTGAAGC | GGGAGGATCA | CTTGAACCTG | GGAGGCAGAG | ATTGCAATGA | GCTGAGATCA | 200400 |
| TGCCACTGCA | CTCCAGCCTG | GGCGACAGTG | AGACTCCATC | TCAAAATAAT | AATAATAATA | 200460 |
| ATAATAATAA | TAATAATAAT | AATTGTATGG | AATTGAACTG | CTCTGATTGG | AAATAGCTGT | 200520 |
| TTTTTAAAAA | ATTATTATTT | TTTAAGTTCC | TGGGTACAAG | TACAGGATGT | GCAGGTTTGT | 200580 |
| TACATAGGTA | AACGTGTGCC | ATGGTGATTT | GCTGCACCTA | TCAACCCATC | ACCTAGGTAT | 200640 |
| TAAGTACAGC | ATGCATTAGC | TCTTTTACCT | AATGTTCTCC | CACACCCCCA | CCCCATCCTC | 200700 |
| CCCCAACAGG | CCCCAGTGAG | TGTTGTTCCC | CTCCCTGTGT | CCACATGTTC | TCATTGTTCA | 200760 |
| GCTCCCACTC | ATAAGTGAGA | ACATGAGGTG | TTTGGTTTTC | TGTTCTTGCC | TTAGCTGTTA | 200820 |
| ATGTCAGGCC | AGAGAGGCTT | AAATTTTTTA | GGATCTCTGG | ACTTTTCTTC | TACATTACTC | 200880 |
| TTGATGTTTA | TAAATGTTAC | AACTTCTTTA | ATTTCAATTA | ATGTATACCT | TATTGAGTTG | 200940 |
| ATTTAACTGA | GTTAACTTTG | TTATATGAAA | ATCATGATTG | GGAGTGAGGG | GGTTAAACCA | 201000 |
| GCTACAGAGA | TCTTGATTGT | TGGTGGTGAA | GCAATGCAAG | AATTCATTCA | TTCAGTAAAC | 201060 |
| TAATGTTTAT | TAAGCGTGTA | CTGTCTTAGT | CTGTTTCAGAC | TGCTGTAACA | AAATATCATA | 201120 |
| AACTGGGTGA | CTTATAAACA | ACAAAAAATT | TATTTCTTAC | AGTTCTGGAG | GTGGGAAGTC | 201180 |
| TAAGATTAAAG | GCCCTGGCAA | ATTTAGTGTC | TGGTGAGGAC | AGGTAGCCAT | CTTTTTGCTG | 201240 |
| AGTCCTAACA | TGGCAGAAGG | GTTGAATAAA | CTTCCTTGGG | TTTCTTTTAT | AAGGACACTA | 201300 |
| ATCCTAGTGA | TGAGGTTTCT | GCCCTCATGG | TATAACTACT | GCCCAAAGAC | CCCTCCTTCT | 201360 |
| AATATTATCA | CTTTGTGGGT | TAGGATTTCA | ACATGAGTTT | TGAGAGGATA | CAGACATTTG | 201420 |
| GATCATAGCA | CACACCATAG | GACAGACACT | GTGCCAAGAA | TTGTGGATAT | AGTGATTCTC | 201480 |
| AAAATGAACA | AGATCCCCTC | AGAGAGCTTG | CAAAATCCAG | CTATAAAATT | ATGCTTTTTTA | 201540 |
| AACAAATTAT | GCAGTTTGAA | AAATCTACTC | TGAATCTTAC | TTGTGGCATT | GAATACTTTC | 201600 |
| GGCCACTCTT | TCCTTATTAT | ATTAAATATT | TACTCTTGTT | TGGGGGATCC | AGTCTCACCT | 201660 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|--------|
| ACTTTTTCTA | CCAGAACTGG | TATCAGCTCA | TGCTCTGCCT | TATGCAAATT | AAGAAAATAT | 201720 |
| CATACCTTTT | GGGTAAATTA | AGCCAAGAAA | GTTCTCCTTT | CTTCTCTTTC | TCTCTTTCTT | 201780 |
| TCTTTCTCTC | TTTCTCTTTC | TTTCTTTCTC | TCTCTCTCTT | TCTTTCTTTC | TTTCTTTCTT | 201840 |
| TCTTTCTTTC | TTTCTTTCTT | TTTCTTTCTG | ACAGGGTCTT | GCTCTATTGC | CTAGGCTGGA | 201900 |
| GTGCAGTGGT | GCAATCTCAG | CTCACTGCAG | CCTTGAACCT | CAGGGCTCAA | GCAATCCTCC | 201960 |
| TGAGTAGCTG | GGACTATAGG | CATGTGCCAC | AACATCAAGC | TAATTTTTCG | ATTTTTTTGT | 202020 |
| GGAGACGGGA | TCTCCCTATG | TTGCTAAGGC | TGGTCTTGGA | TTCTTGGGCT | TATGCGATTC | 202080 |
| TCCTGCCTCA | GCCTCCCCAA | GTCCTGGGAT | TACAGGCATG | AGCCACTGCC | CCTGGCCATT | 202140 |
| ATAACTATTT | TCATTGGCTT | ATCAGGCACA | TGATAACTAT | AATAAATCAA | TAACCAGAAT | 202200 |
| TTTTAAATAA | AGAAAGGAAG | GAATTGTTTC | AACTCTTCCT | GCTACCCCTC | TATCCCTCAA | 202260 |
| AAGGGTAGGC | TGAATGTTGT | CCTCCAAAGA | TATCCATGTC | CTAATCCCCA | GAACCTGTAA | 202320 |
| ATATATTACC | TTATATGACA | AAAGGGACTT | TACATGTTTA | ATAAGTTAAG | AATTTTGAGA | 202380 |
| TGGGCAGATT | TTCTGAATT | TTGCAGATGG | GCCCTAGTGT | AATCACAAGG | GTCTTTATAA | 202440 |
| GAGACAGGCA | GAAGAGTCAG | AATAAGAGAA | AAATACTTCA | AGATGTTACA | CTGCTGGCTT | 202500 |
| TAAGGTGGAG | GAAAGGCCAA | GAGCCAAAAA | ATGCAGTGGT | CACTACAAGC | TGAAAAGAAA | 202560 |
| AAGAAATGGA | TTTTCCCCTA | AAGCCTCTGG | AGGGGGCACA | ACCTTGCCAA | TACCTTGATT | 202620 |
| TTGGCTCAGT | GAAACCCATT | TTGGACTTCT | GACCTTTAGA | ATTGTAAATA | AATAAATAAT | 202680 |
| TTTGTGTTGT | TTCAAGCCAT | CACAGTTGTG | GTAATTTACT | ACAACAGCAA | TAAAATAGAA | 202740 |
| TTAAATACAG | AGATCTGAGG | AGTTGAGTAG | GATAAGCCTA | CTCCAGCAGG | TTATTTTCGGG | 202800 |
| AGTATGGTGA | GACTCACTAG | GATGGCGGAA | CTCAATTAAG | GAAGTCTGAA | GCTGATAAGC | 202860 |
| CAGAGAGGGA | AGGCTCTCAT | TTTATTTTAT | AAGGGTTGCG | TCACACTAGG | AAGATCCAAT | 202920 |
| AGCAACCACA | GTCTCAAAAT | TAATGATTAC | AAATAGGACA | CAATTCCAAG | AGTCGGGAGC | 202980 |
| CAAGCAGAAA | ATGGATTAGG | GAAGACATGG | ATGATATGAA | ACAGGAAGGA | GGGGTACAAG | 203040 |
| GCAGCTTCCT | GGGAAGTTGC | CAGGGCAGTC | ACAGTTCACA | TTTATTAGGC | TGTGGGCACC | 203100 |
| AAATGCATAT | GGAAAATCTA | GCTGACTTAA | CTGAACTCCT | GAAGAGGAAT | GAACACCTCA | 203160 |
| TTTATTGAGG | AGCTACTACC | AATTAGAATA | TGTATTTTCT | TTGTTCAATA | ACCCCATGAG | 203220 |
| TACAGTAACA | CAATCCTTGC | TTTACTAAAG | CGGAAGCCAA | TTCAAAGAGG | TTCAGTGACT | 203280 |
| TGTCCAAGCT | CAGGGAAAAC | ACTAGGAAGT | GAATATGGGT | CTGACTCCAT | CACTGATTTT | 203340 |
| AGGAGCCCTG | CCCTTTCCTC | CACACCATGC | CCCCTTGCTT | TCAGAAAAAA | AGGCTTGTTG | 203400 |
| ACTGAATGGT | TGTATGCACA | GTTCAAAGCA | GAAACACACG | ATGACATCTT | TTGAGATACT | 203460 |
| CTAACAGTGA | GAACTTGAAA | ATGAAGTTAA | AAATTAAGCG | GCAAAACCAA | GCCGAGGCTT | 203520 |
| TCTGAGAAAAG | TGGGGCCAAA | CCTGTTGCCG | TCTGACTGCC | ACGTGGCTCA | CTATTTATCC | 203580 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|--------|
| CTGTAAAAAT | CTGCAAAAGT | ATTTGAAAGG | GAAGAAGGGA | CAGAAAACTC | CCTCCTTTTC | 203640 |
| CAAGTTAGCC | TTATAGTCTA | GGGCTTAAAA | TACTGGTTTA | ATGGTGAAGG | TAAGTGCTTT | 203700 |
| TCTTCTTTTT | GGGTAGAAGG | ATTATTACTA | ACTTACCAAA | GGTCCATTAA | GGGGAGGGAA | 203760 |
| CAGTTTTAGG | AGAAGTCAGA | GAAAAGACAT | TAACAGCAAC | ATAAGGATCT | CCATCTGGTA | 203820 |
| ATATTGCCTA | ATTCCAAAAT | GAAGAGACTC | TCTGAAAAAG | ATAACTGATT | CAATGAAGAC | 203880 |
| CCTAGGGCAA | GGCTTGAGAA | GCCACTGGTA | CCAATGGACA | CTGTGGACAA | TGGTCATTTT | 203940 |
| TCCAAGGACG | CTGTGAGTAT | TAAGTGTGAT | GCTGTGATTA | GTCAGACTGG | GATTGGCTGT | 204000 |
| GGAAATGAAAT | ACTGATCAGA | ACTGACAAGA | TTTGTGTTTG | GGACTGTGGC | TAACGAGTCT | 204060 |
| TTTCAGACTT | CTATATGAAT | TTGAAATGGT | CTCTCAGGAA | AAGGAGAACA | TGGCCGGGCC | 204120 |
| TGGTGGCTCA | CGCCTGTAAT | CCCAGCACTT | TGGCAGGCTG | AGGCGGGCAG | ATCACTTGAG | 204180 |
| GTCAGGAGTT | TGAGACCAGC | CTGGCCAACA | TGGTGAAACC | CTGTCTCCAC | TAAAAATACA | 204240 |
| AAAATTAGCA | GGGCGTAGCG | GCGCGTGCAC | CTATGCGCAT | GCATAGTGCG | CGTGCCAGCT | 204300 |
| ATTCAGAAGG | CTGAGGCAGG | AGAATTGCTT | GAACCCAGGA | CGTAGAGGTT | GCAGTAGTTG | 204360 |
| AGATCATACC | ACTGCACTCC | AGCCTAGGTG | ACAGAGTAAG | ACTCTGTCTC | AAAAAATAAA | 204420 |
| TAATAATAAA | AGAAAAGGAG | AACATGACCA | AAGTTATGAA | TAAGACTGAA | GGCAAGAAAA | 204480 |
| TTGTACGCTT | GTAGAGATCA | CCTAGCTTGT | TGCCCTCATT | GTACAGCTAA | GAAAAGGCAC | 204540 |
| CCAGGGACAT | TGTGGTCAGC | ACCAATTTCT | CAGAAAGATA | GGCAGATGAT | GAGAGGGCCC | 204600 |
| TCAGTTTTTC | TAACACTGAA | GGAATTGCTT | CTATGTTTTT | TGGTGAACTC | CTCCCCACTC | 204660 |
| ATCTTGAGGA | TTCCAGGCCA | GAAGAATCCA | CTTTAAAAAA | GAAACATTTA | AAACCAATTT | 204720 |
| AACAACCAAT | CAAAGGCACT | TTTATAGAAA | TACATTTTAT | TTGCTGTAGG | CCTGTATTTA | 204780 |
| TGGATCTGAG | AGGGCTAGAC | TGCCAATATT | GTGACTGTTT | ATTATTATTG | CTGTTGCTAG | 204840 |
| TATCTAGAAT | ATTATACAAC | ATATAACACT | TTGCAATTTA | CGAGGCATGT | CTCATACTTT | 204900 |
| TGTTTTTCACT | CCAAACTGCC | CAGTGAAGTA | ACATTATCCC | AATTCTTCCT | ATGAAACAGT | 204960 |
| GAAAGCCCTA | AGAGTTTTTG | AAACTTTACC | TGGTTTACTC | AATTTGGGAA | TGGCAGAGCA | 205020 |
| GAATTCAGTC | CTTGAATATC | CTCCCACTGC | AGGTTTCATG | TCTTTGATCT | AGGTGTAACA | 205080 |
| TTTACTCTGA | GTAAACTAGG | ACTCTGGGCT | AACAGAGATG | AAGCAAGACA | GGCTGGATAT | 205140 |
| TAGGAGAATC | TAAGAGCAAT | CTAACGACCA | TTATAATAAA | ATCATGAGTT | CTAGACTTAA | 205200 |
| AAAAAGGGAA | AAACCTGTTT | TTTTGCTTAT | GCGTATACCA | TAATATTTAC | ATTATTTATT | 205260 |
| TTTTTCTCAA | ATTCAACCTA | TACTGTGTCA | AGTAATTTTT | TTTAATATAA | CATTTTCCTT | 205320 |
| TAACCTAATT | TCAATTCATT | TTTCTGTGTC | TACTTACAAC | TTTGGCACTA | GAATTCACAA | 205380 |
| TTTTTTTTTA | GAGGTATATC | TCCTTAAAGG | GAAGGGTTCT | GACACTGTTA | CATGTTCTCA | 205440 |
| ATTGTTTGCA | AATAGGTTAA | TAATTATTCC | AGTGTCTCTA | AGTACATATC | AACCATGCCA | 205500 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|--------|
| GTGTTTCAGCC | TCCATAATTT | TATTAGCTTC | TGTGCTTATT | TTGGAAAAAC | ATTTCCCATT | 205560 |
| ACCATGAAAG | ACCTCAGTTT | AGGATGGTTT | GGTATGTTAG | CCTGATTTC | GCATTTCGTCT | 205620 |
| CATGCAAAGG | AAAATAGGAA | ACGAAGAACT | GAAATTACCT | ATTGATACAA | AATCAAAGTA | 205680 |
| GCATTTGAAA | CCATAAACT | TAAGTAGGGC | TTTTCATCCT | TTCTCGTTAG | ACAGCAACAG | 205740 |
| AGAATGGGAA | GAAAACTAA | AGTGATGGGT | TTGTGATACA | ATTCCAGTAA | CATAAAGAGC | 205800 |
| AAGGAGAAGT | AGTTTTGTTG | TGTTTATGTT | TAATATTCAA | AGCTCAACCT | AAAAGTATTT | 205860 |
| TTCATTATCA | AACTTCCTTC | TAGAATAAAT | GATTAAAACT | TGATTTAAAA | TATACAAATT | 205920 |
| CTCCTTTATA | ATACCTCAAA | ATGGAGCTAC | CCCATTGAGT | TTTAAGCTTG | TGATTAAAAAT | 205980 |
| ATTACGAAAA | CAAAGGGGAA | GTTGTAATAG | GTAGAACAAG | CAGTAGTCTA | GGCATTAGGG | 206040 |
| GATCTGGTGC | TGGCTCTGTG | CATCATGTGG | TTTCAGGCAA | CTTTTCAAAT | TTTCTACGCA | 206100 |
| AATTTTCTTA | TCAATAAAAT | AAACAGTTGG | GCCAGAGGAT | CTCTGAGTCT | CTTTTCAGCTT | 206160 |
| TCAGTGTTTA | TAAGATTGGA | GAAGTTGGTG | GGAAAGCTTT | AAGTGGAGTG | TAAGTAATTG | 206220 |
| CAGCTGCATG | TACAGTTAAA | GAGTTGCCTT | CAGCCAAGCC | ACGGGATCTT | GCATAAAAAG | 206280 |
| TGAAATCAAA | TAGAAAATGG | TCCAAACTCT | GGGTTTGACC | ACAGATGACT | TCAGCTAGGA | 206340 |
| TCTGAGTGTA | GAGCAATGAG | CTGAACCTCT | GATATCCAGA | TGTTAGCAAG | ACTTGAGGGC | 206400 |
| CTTCTAAGGC | AGAGCAACAA | CCAGTATCTG | TCCTGGTGCT | GACCTGATCT | TACTAGCAAT | 206460 |
| TGGGCCTCCA | TTTGGGTCCA | TTGTACAAAA | CAACAACAAC | AACAACAATA | AAATCTCCAA | 206520 |
| ACACCCAAAA | TTCAAAATTT | AGATGGAGAG | ATACTATTCC | CAGAATTCTA | GAGATATTTG | 206580 |
| GAAAGCAGAA | AACTATACTT | GCCATGCTGA | TGAAGTCCAA | TTATTGCTCT | TTTAAATACA | 206640 |
| TTTAGCTACT | TCTGAATATA | AAATGAGTAT | CTACTAATTA | TTTACAAAAT | CACTTGGTAA | 206700 |
| ATATAGAAAG | TCACAAAGAA | TGAAGTGATC | ATCCTGTTTT | GTAACCCAGA | AATAGTCATT | 206760 |
| ACTGGCACTT | GTGTGAATCA | GTTTCTATTC | CTGTATGTGG | ATGTGCACAG | CGTATCCTGC | 206820 |
| TTTGTACACT | AGAGTACTAG | CATTTTTCTA | ATGTAATTCA | ATATTGTCGA | AAACATTTTA | 206880 |
| AAATAGCTTC | CATCACAATA | ATCTATCAAA | TTGACTTGCC | AGACTCTCAT | TATTAGGTTA | 206940 |
| ATTTATCTCT | AACATTATGC | AGTCATGAGT | AATACTACAA | AGGATATTTT | TGGACACAAT | 207000 |
| TTTTCATCTA | TGCCTTTCTT | TATAATCCTT | CATCCTAAGG | TCACAGATTA | TGAATATCTT | 207060 |
| TAAAGTACGG | ACAAGTCTTT | TAAATTTTGT | GTGCAAAAAC | AGTGCAAAGC | CTTGAATGAT | 207120 |
| AAAATAGAGG | TTTGATATAT | GTGTTTTTTT | GTTTGTTTGT | TTTGAGACGG | ATTCCTGCTC | 207180 |
| TGTCCCCCAA | GCTGTAGTGC | AGTGGCACGA | TCTTGGCTCA | CTGCAACCTT | TGCCTCTTGG | 207240 |
| GTTCAAGCAA | TTATCCTGCC | TCAGCCTCCT | TAGTAGCAGG | GTCTACAGGC | ATGTGCCACC | 207300 |
| ACACCCGGCT | GTTTTTGTAT | TTTTAGTAGA | GATGGGGTTT | CACCATGTTG | GCCAGGATGA | 207360 |
| TCTCGAACAC | CTGACCTCAA | GTGATCCACC | CACCTCAGTC | TCCCAAAGTG | CTGGGATTAC | 207420 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|--------|
| AGGTGTGAGC | CACTGCACCC | GGCCGATACA | TGTGTTTTTA | AAGTCACAGA | AATTTTCAGAT | 207480 |
| GTCTTGAAGG | ATTTTAAGCA | ATTTAAAAAA | TAAAGTCATA | GAAGCTTCAA | TTTAGGAATG | 207540 |
| AATGGAAAAT | TGATGATATT | CTTAGGATAT | GGATTTTTTC | TAAAAGAAAC | AAATGTATGC | 207600 |
| ATCCCCAAAG | ATAATTTGAT | TAGTATACAA | ATATTAAATT | AAACATGTCC | ATATTTAGAG | 207660 |
| CCATGAATTC | TCTTTGCCTG | TCACAATAGC | TGGATTTATT | CACAATTGTA | GTAATTAGTC | 207720 |
| CCTGTTCATT | ATAATTTTCT | AGGTGATATG | AAGACTTTGT | CAGTCCAAGC | AAGTGTCAC | 207780 |
| ATTGTGTGTA | GCAAACATGA | GAATAAACAT | TTTAACTTT | TAAATGTAAT | ACATATTAGT | 207840 |
| GTTATGTAAT | GTCATCCTTC | ATGTTCGAAG | GCACATGGAA | CATTGTTCTG | GTGGTACAGA | 207900 |
| GGGGAGAGAA | ACACCATCAG | AATGAAAGGA | AAGACCGCTC | TGGAACCTTC | CTCCTTAGCT | 207960 |
| CTTGAGCTTA | GTTTAATTGT | CCTGTCTTAT | GGTCTGCTAC | AAGCAATACC | ACTCTTCACC | 208020 |
| TTCGCATGCT | TCTCTGTGGT | TTGATAAAGT | ACATGCAATT | TTTCATTTAA | TTCTTCCAGC | 208080 |
| TGCACTAAGA | AAGGAGCCTT | ATCTTTATTG | AACAGATGAG | GAAATGAATG | ATTAGAGAAT | 208140 |
| TTAAATGACT | AGCTCTAGGT | CACACAGCTG | GAACCTACAG | CCAGATTTC | TTTTAACAAAT | 208200 |
| CCTGTAACCA | AAAGCATACC | AGTAGTGCCC | CATAAAATGT | AAGTTATAGA | GCTGTGTTGG | 208260 |
| GTCAAAACTT | TTACTGATGC | TAAGAGGAGG | CAACATTAAC | AAGGGGAAAT | TATTTGTGTA | 208320 |
| TTATGTTTTG | GATTATGTTC | TCTCCATAGA | TAAAAGACTG | TCGTAGTAAA | AGAGATTCAG | 208380 |
| GGCACAGGGA | AACTCCACCA | CAAAGCGTGG | TACCATTTC | CACAGAAGCT | AAATGGACGG | 208440 |
| GAAGCCTGCC | ACCAGGAAAG | GTAAAGCCAC | TGCTCTTGTT | TGCAGGCTAT | GTAAATAAGC | 208500 |
| TGAAGCTTAT | TCCGACACAT | TTACACATCT | CTGCATCACA | CTGACCTTC | GTAAAGATAC | 208560 |
| TCCCAGTGTA | ACATTGGAGC | CAGCTCCAGC | CCCTGATCCT | GTTGCTTTTT | CCTTAGCCCC | 208620 |
| ATGAAATCAT | CTGTGAGAAA | TTAAGCCAAA | TAAGCAATAA | ATCCTGGGAT | CTAGGGAGTG | 208680 |
| GAATAAGTTT | TGGGAAAGTC | TTTTTTTTTT | TTTTTTTTGA | CTGAGTCTTG | CTCTGTCTCA | 208740 |
| CAGGCTGGAG | TGCAGTGGTG | CGATCTCGGC | TCACTGCAAC | CTCTGCCTCC | CGGGTTCAAG | 208800 |
| TGATTCTCCT | GCCTCAGCCT | CCCGAGTAGC | TTGGACTACA | GGCACACACC | ACCATGCCCA | 208860 |
| GATGAATTTT | TGTATTTTTA | GTAGAGATGG | AGTTTCGCCC | TGTTAGCCAG | GATGGTCTCG | 208920 |
| ATCTCCTGAC | CTCGTGATCC | ACCGGCCTCG | GCCTCCCAA | GTGCTGGGAT | TACAGGCATG | 208980 |
| GGCCACCACG | CCTGGCCCGG | GAAAGTCATT | TTAAACCAAC | CTATGTATGA | ATCCCTACTA | 209040 |
| TAATATTCTC | ACCAAGCGGC | TGGCTCTTTC | TCCTGAGCTT | GGAAACCTCC | AGTAAAATGG | 209100 |
| AAATAATTAT | TTCCCAGACC | ACCACTCTTA | TCTGTGAGCT | TTTTTGCCCA | TTAAAAATTA | 209160 |
| TTTCTTCCAT | TATATTTTTA | TCTGTGTCTT | CACAGGTTTT | CTCTTTCTTT | CACTTTAGTG | 209220 |
| CTTTTCTTCA | AATAAGCAGG | AAAAATCCAA | TCTATCATGC | ACATGGGAAC | CCTTTCAATA | 209280 |
| TTGGTCTGTG | GTTGTTCCAT | TTTATGGGGA | TGCTTTTAAA | GAAAAAATTT | GTCCTTTCAA | 209340 |

| | | | | | | |
|------------|------------|------------|-------------|-------------|------------|--------|
| TATATTGAAT | ATCTTCCAGC | ACCACATCAC | CTGCAAGCTT | TGTAAAAATA | GTTCTACATA | 209400 |
| TTAATTTTTT | TTTTTTTTTT | GAGATTGAGT | CTCATTCTGT | CACCCAGGCT | GGAGTACAGT | 209460 |
| GACATGATCT | TGGCTCATTG | CAACCTCTGC | CTCCTGGGTT | CAAGTGATTC | TCCTGACTCA | 209520 |
| GCCTCCCGAG | TAGCTGGGAT | TACAGGCATG | CATCACCATG | CCTGGGTAAT | TTTTGTATTT | 209580 |
| TTAGTAGAGA | TGGGGTTTCA | CCATGTTGAC | CAGGCTGGTC | TCAAACCTCT | GACCTCAAGT | 209640 |
| GATCCACCTG | CCTTAGCCTC | CCAAAATGCT | GGGACTACAG | GCGTGAGCCA | CTGCACCCCA | 209700 |
| CGTAGTTTTT | TTTTTTTTTT | AAGTTGAACA | TATGTGAAGG | CAGGACCTAG | TGACACATAG | 209760 |
| CAATAACATT | TCCAAGTAGA | CATTACACTA | GGGAATTAGT | CGAAGTGCTC | ATTTAAAGTA | 209820 |
| CCATCTCTCA | AATGTATTAA | AAGAGAATCC | TTGGATGTGC | AATACCTTAA | TTCAAAGGCA | 209880 |
| GCTCGTTATG | TATAAACTCT | CAAGCTTTGT | GATAAACAAA | TGTGCATAAC | AGATGGGACT | 209940 |
| ATTCACTTAC | AGCCCAGGGA | ATTTTATTGA | CGCTGAGAAG | GTTATGTGAC | TGGCTCTGCC | 210000 |
| ACTGTCATCC | CCATTCACTT | CATTTTGGAG | CAATATGACA | TAAATGCCTT | ACATGTGGGT | 210060 |
| TTTCTCTATT | TATCATGTGT | TTCCTATCCC | CTTGAAAGAT | GGCCATATTT | GCTTTACTTG | 210120 |
| GTTATAAGAT | CCCATATTCT | CTGTCTTGAA | GCCAACCAAA | TAATTTGACA | AAGTGGGTTT | 210180 |
| GTAGTGCTGG | CTATTTTGGT | GAAAAAAGA | CAATGAGACT | TCATGTGTCA | TCCAAAGTTC | 210240 |
| TATCAGATCG | AGCTGTGAGA | GAAAGGAAAA | GAAAGGGGTC | TCAGTCAGGA | TGCTCACTAC | 210300 |
| ATACATCTGT | GTTGTTGTCT | AGGTCCAGAT | TTCTGTTTCAT | TACGCTATGG | GCTGGCTCTT | 210360 |
| ATCATGCACT | TCTCAAACCT | CACCATGATA | ACGCAGCGTG | TGAGTCTGAG | CATTGCGATC | 210420 |
| ATCGCCATGG | TGAACACCAC | TCAGCAGCAA | GGTCTATCTA | ATGCCTCCAC | TGAGGGGCCT | 210480 |
| GTTGCAGATG | CCTTCAATAA | CTCCAGCATA | TCCATCAAGG | AATTTGATAC | AAAGGTAAGT | 210540 |
| ATGATGGAAA | ATAGGGCTCT | TTGTTGAGAG | AAAAAACTTT | GAAAGGAAGG | CATAGATCTT | 210600 |
| GATTCTGTGG | AGTATGGAAG | TATACATTTT | CAATGACAAA | TTAAAACTGA | CTGGAACTAT | 210660 |
| TTTTCTTTGA | GACATTGCTT | ACTTCAATAA | TAAAAATAAG | ATTTCAATTGA | GGTTATTATG | 210720 |
| ATTATAAGGT | GGGGGAACCT | TAGAGTTAAA | TGTGAAAAAT | TTAAAAATGG | AACAGTTTAT | 210780 |
| GTGATGTCTT | CAATGAAAAA | CTAGGTATTA | CCTGGGCACA | TTCTTATAGG | TTACTCAATC | 210840 |
| CTATTCAAGT | CTCTGCCTGT | TTTATTGTTT | CTGAGCAATT | TTATATCCCT | GTAAATTCTA | 210900 |
| TATAACCAAT | AGAAATGCAA | ACGATTCTTG | TCCATAGCTT | TGCAAATAAA | TTTTGCCAAG | 210960 |
| AGAAAAATCA | GTTAAAAACT | TTCTCCACTC | ACCTCCCAGT | TGAATTAGCC | AATTTTGCTG | 211020 |
| TTTGTTTGTT | TGTTTGTTTT | TTGAGATAGA | GTCTTCCTCT | GTCATTGAGG | CTGGAGTGCA | 211080 |
| GTGGCATGAT | CTCAGCTCAC | TGCAGCCTCC | GCCTCCCGGG | TTCAAGAGAT | TTTCCTGTCT | 211140 |
| CGGCCTCCCA | AGTAGCTGGG | AGTAAGGGGG | CATGCCACCG | CGGCTGGCTA | ATTTTTGTAT | 211200 |
| TTTTAGTAGA | GACAGGGTTT | CACTAGGCTG | GTCTCGAACT | CCTGACCTCA | GGTGATCCAC | 211260 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|--------|
| CCGCCTCGGC | CTCCCAAAGT | GTTGGGATTA | CAGGTGTGAG | CCACTGTGCC | AGGCTCTGCT | 211320 |
| GTATATTTAA | AGTCTATTTT | AGCATTGCTT | CCTGCTTGTG | TTATGCGTGA | TTCTTTGAGT | 211380 |
| TTTCCTTTGA | ACCAGTTATA | ACATCTTACT | TACTTCCTCC | ATTAATCAAT | GAGTTAAATA | 211440 |
| AAATCTTTGT | TGTATGTTTA | TTTTACATTT | ATATGAAAAC | CATGAATTTA | CCCAATTAAA | 211500 |
| AAAATTATCC | TTTAAATTAT | CTTGTAAGT | ACATTTCCCA | TGTCATCCCT | ATAATTCATG | 211560 |
| ATTAATGATT | TTATTACATT | GGACCTAGCT | TATTTACAAT | GAGTACATAA | ATTTATTGTC | 211620 |
| TCCAGTCTTT | CCTCCATTAT | CCCGTCTACA | TATCCACACT | GAGTAGATTC | ACTACTCAGG | 211680 |
| AATCTTGGAC | ACCTTCAAGT | TGCCAAACAT | GCAGTGTTC | CTGGACATGC | TGTGTTCCCT | 211740 |
| CAGAATTTGG | GCCTGCTTCT | CAGCACACTC | ACATCTGCTA | TCAATGACCC | ATGGAAAGTT | 211800 |
| TTTGCCCTGA | GCAAGCCAGA | GTCCCTGTTA | GTTTCTTCCA | AATGCTACAA | GTTCACTTTT | 211860 |
| GCTATTTTTT | CCGATGAGAT | AAAATTTTCC | TTTTTGACTT | TCTACAAATC | ATAGTCATTT | 211920 |
| TTCAAGGGAT | AGTTCAAGTA | TTGCTTCCTT | TCTGGGACCT | TCCCAAATTA | TTATTTTCTC | 211980 |
| CTCTCAAAGT | CTCTGTTTTA | TTTATGTTCA | TCCTCAAATC | TTGATTCTCA | CATGAATCAT | 212040 |
| ATACCTTGTA | TTATTTATAG | TTTTTTTGTG | TGGGTAAAAT | ATTTTCATATT | TTATATTCTT | 212100 |
| TGGCTCTCTA | CTTTATAGCA | TGATGCCAGA | TATTTAGGGG | CCTTATTGCA | TTTATTTTTT | 212160 |
| ATTTTATTTT | AAAATCTATT | TTATTTTTTA | TTTATTTATT | TTAAAATCTA | TTTATTTTTA | 212220 |
| GGTAAATATT | CAGGTAATAT | AATTTATGTA | ATTATTTAGG | AATTTTAGGT | AGTTATTTTA | 212280 |
| AAATAATTCA | AATTATTTAT | TGAGTTATAT | CAGAAGAATG | TGATCTTATT | CATTTGTAAT | 212340 |
| ATGTGTTTTA | GGAAGTCAGT | TCAGCCAGGG | CAGACCATGA | TTCCCAAAGT | TGACTTTTCT | 212400 |
| TTTAAATTAG | GCACTGATTT | TGGTTAAGAG | TTCAGTAAAG | TTTTGTGTGT | GTGTTTTAAA | 212460 |
| AAATCTTTTG | ATATAAGAGT | CAAGATGTTA | CTCAACTTTT | ACTAGAAGCA | AAATAGAGGA | 212520 |
| AGTGCTTTCA | CAGATGAAAT | ATCTCTCAAT | GTTTCTTCTC | ATTTACTTCT | TCCTATTATT | 212580 |
| CATCTATATA | ATCATTTTCT | TTACCTCTTT | TCTTCATTTT | TTCTGTTTTT | CTCTCCTTCT | 212640 |
| ACTAAGACAA | GCAAATTAGG | GGTATAATTG | GTTATTTGGG | AAGGTAGGAA | GAATATAGAG | 212700 |
| AGAAACAAAA | ATCAATATTT | TATACTAGGG | TCTCACTAAC | CTCAAGCAAC | TCTGACTGTA | 212760 |
| AAGTAGATTT | TCATAATAGG | ACTTCTTGAC | AAAGAGTTTT | CCTATTTTTT | CCCCAGGCCT | 212820 |
| CTGTGTATCA | ATGGAGCCCA | GAAAGTCAGG | GTATCATCTT | TAGCTCCATC | AACTATGGGA | 212880 |
| TAATACTGAC | TCTGATCCCA | AGTGGATATT | TAGCAGGGAT | ATTTGGAGCA | AAAAAATGCT | 212940 |
| TTGGTGCTGG | TTTGCTGATC | TCTTCCCTTC | TCACCTCTT | TACACCACTG | GCTGCTGACT | 213000 |
| TCGGAGTGAT | TTTGGTCATC | ATGGTTCGGA | CAGTCCAGGG | CTTGGCCAG | GTATCCAGAT | 213060 |
| ACTTTCTCAT | TCTTGGTGGG | ATCCAGATTT | CTGAATTCTA | CAAAATATCA | AAGGTCTTAA | 213120 |
| TGATTTTCAT | TTCAGGGAAT | GGCATGGACA | GGTCAGTTTA | CTATTTGGGC | AAAGTGGGCT | 213180 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|--------|
| CCTCCACTTG | AACGAAGCAA | GCTCACCACC | ATTGCAGGAT | CAGGTAAGTG | TGCACAGATG | 213240 |
| GGTCATAGCT | TTGTCACTG | TTCCATCCCA | CTGTGTCTTA | TCTTCTATGA | ATCAAATGGT | 213300 |
| TTGGGAAGA | GAGAGAAAA | GTACTGCTGA | AAAATTCAAC | AATATAAGAC | ACTTGCATCA | 213360 |
| CAAATAGGAA | AGATGCATCT | GTGCAGTAAA | GACATTGAAG | CTTAGAAGTA | GAAAAAACCA | 213420 |
| TTGTGAGCTA | GGTTTCAGCT | CAGAAAAGCC | TTAGTAGTCA | GAAAAGCCTT | AGTAGTCAGA | 213480 |
| AAAGCCTTGT | CGGAAAAAGT | TTAAACCTTT | AAGAATTGCA | CACATGGAAA | AAGATCAAGT | 213540 |
| AAGCTATATA | TACACCATCT | TAGCAATGAT | TTTGAAGTGA | GAATTAAGGC | TACCACAGCT | 213600 |
| CCAGGTGGTA | AGGAGAGAAA | TCAGGCTGGA | AGAGTTTGAA | GTTTCTGTAT | TATTCTAAGC | 213660 |
| TCTTTACTAT | TCTATTATGA | GCTCATTAAT | TCTCACAACA | ACCCTCTCAT | ATAAGTACCA | 213720 |
| TTTTAAATTC | TTATTTTACA | GAGAAGGGAG | TTAAGGAAGG | TGGAGATTAA | GAAAATTGCC | 213780 |
| CAAATACAAA | TAGCCAGCAG | GTGGTAGGTC | TGAGATTTAA | GCCCATGCAG | ATTTTAGCCC | 213840 |
| CAGAGCAGAC | ATTCTCAATC | ACTATGCTAG | ACTGCCTTTC | CATGGTATGT | GATCCTACTC | 213900 |
| AGGCCTCTAC | AGCTTTATCA | TTGCTGTTCT | CCCCAGCCTG | TCGTGCTGAG | AGTATATACT | 213960 |
| CGAAGAGCAG | AACTAAAATT | CCATCCAGCT | TCTCACTCCT | AGGTCCACTA | CACAGCTGCA | 214020 |
| TCCTGCAGAC | TTTTACCTCA | AGCAACCCTC | CTGCGTTCTT | GCTTCCTTCC | ATCATAGTTG | 214080 |
| TAACCATCTC | CTCTATTTGC | AAATACTATC | TGCTGATCTC | TCTCTTCTAG | ACTGGTTTCT | 214140 |
| TTCAACCTTC | TTCCCACCAA | AACCAAGTTA | GCTTGCTAAA | ATAAAGATGG | CACATTTTTA | 214200 |
| CTCACCCGCT | TGAGAATTTT | CAATGTGTTT | CTTCATGCTT | ACAGAGTAAA | GCCTGACCTC | 214260 |
| TTTATTGCAT | GAATACAAAA | GTTCTTAGCC | ATCTGGCCCC | AACCTTGTTT | CACTCAACTC | 214320 |
| CCCTGTGCAA | GCATGGCTCC | AGTGGCACTG | GACATTGGCT | GCTCTCCACA | TAGATCTGCA | 214380 |
| CTGCACTTCC | CTCTGGCTCT | GCTCCCGTTA | GTTTATATGC | CTGGAAAGTT | CTTTGCCCCT | 214440 |
| GTTCTTGTG | CCAAAATTCC | ATCTATCCTA | TTGCATAGCT | TATGTAAAAA | CTTCCTAAAC | 214500 |
| CTTTTTTTTT | TTTTTTTTTT | TTTTTTTTTT | AGACGGTGTC | TCACTCTTTC | GCCCAGGCCG | 214560 |
| GACTGCAGTA | GCGCTATCTC | GGCTCACTGC | AAGCTCCGCC | TCCCGGGTTC | ACGCCATTTT | 214620 |
| CCTGCCTCAG | CCTCCCGAGT | AGCTGGGACT | ACAGGCGCCT | GCCACCATGA | CCGGCTAATT | 214680 |
| TTTTGTATTT | TTAGTAGAGA | CGGGGTTTCA | AGCCAGGATG | GTCTCAATCT | CCTGACCTCG | 214740 |
| TGATCCGCCC | GCCTCGGCCT | CCCAAAGTGC | TGGGATTACA | GGCGTGAGCC | ACCGCGCCCG | 214800 |
| GCCAAAACCT | CCTAAATCTT | ATAATTATTA | TCAATTTATC | CTCAGATATA | CTTCACGTA | 214860 |
| CATTGTAGTT | TTATTATATT | TATATTTTAC | ATCTTTTTTT | TCAAATTTCA | GTTTGGGACC | 214920 |
| CATTAGTGAG | TCATAAAATC | CATTGAGCGG | GTTAAAAATCA | TTATTTTAAA | AAATGAATAG | 214980 |
| AATAGAATAG | AAATTGTTGG | AGTGCATTGG | ACATGGTAAA | GTTAAATATC | GATTCATGAA | 215040 |
| ACCATCGTTT | GAGGCATATG | TGTGTGGTTG | TATGTACAAG | TGTTTATGCA | TATTGGTGTG | 215100 |

| | | | | | | |
|------------|-------------|------------|------------|-------------|-------------|--------|
| TGTGTTATGT | TACCCTGTAA | AATGCATTTT | TTACTATAGG | TCTCTGTGAA | ATATGTGTCT | 215160 |
| TGTTGTTTTT | TAATGTAGAC | TTCCAAAGCC | TACATGGCAT | TTCAC TAGTG | ACAAATCAATT | 215220 |
| TTATTCACAT | TTTTCTCTCC | AATTGGACCA | GAAGCTCTTT | GAGGGCAGGG | GCTGTATCTT | 215280 |
| ACCGATTTTT | GTAAGTCTTT | CATTTCTGTC | CCCTAGCCTC | ATATTAGATC | ATGCAAGAAT | 215340 |
| GCAACTGTAA | TCACAAGAAA | ATGCTAATGG | GCTGTGATAG | CAGAGAGTTA | CTGTGACAAA | 215400 |
| CTAAGGGATT | TAGATTTGGT | CACATTGGTG | TTGAGGAGCC | ATTGAAGAAT | CAGAGAGTGT | 215460 |
| GTTACTATTA | TTTGTTAATT | TTAATTATAT | CATATTACTT | TACTGGGGAA | AATCTGTGAG | 215520 |
| CTATTTTAGA | AATAAATACT | CTCATTGCCC | AATAATTCTA | AGTCTGCCAC | CTCACTGTTG | 215580 |
| GGACATTGTT | TAGGGAGGCC | ACGAAGTCTC | AGCCTTTGAT | ATTTTCATAA | GTGTTTTTCT | 215640 |
| CCCTTTTTTC | TTTAGGGTCA | GCATTTGGAT | CCTTCATCAT | CCTCTGTGTG | GGGGGACTAA | 215700 |
| TCTCACAGGC | CTTGAGCTGG | CCTTTTATCT | TCTACATCTT | TGGTGAGTCA | CTTTCTCTTA | 215760 |
| AATCCTAACG | CCTCCATTTT | CTGAGCATCC | ATTTTGGCAC | CTACACCACC | CACATTCTTC | 215820 |
| CTATATGAAA | GAAAATGTCC | TTTATCAAAT | GGAAGATGAT | AAAAAATGTC | AACGGTTGGT | 215880 |
| ATCATTTTTA | ATCTAGTCAC | ACAACCTGAT | TAACACCTTC | CTGGTGGTTC | TGGGAAGCCA | 215940 |
| CACGCACAAG | GTAGAGGAGT | TGACTATTCA | CATGGCACCC | ACCGACTTGT | GATGCAGTCT | 216000 |
| TGTCCTTCCA | TATCAAGCAC | CTTCTGCAGA | ATCTCTACCA | CCACATCTGA | AGTGCCTGCT | 216060 |
| ATATGCAGTT | AAGATGTCAA | AGATAGTGAA | GTACATTTTC | AATGTGTCTT | CATATTTTCAT | 216120 |
| TATAATTATT | ATTTCTGTCC | AAGATGCCTT | TCACCTGTTC | TCTACCAAGT | TAATCTTGCA | 216180 |
| AAGTTCAATT | CAAATGTTCC | CTTCCCCATG | GGCCCTTCCA | GGGCTTACCC | TATCAGATTC | 216240 |
| TGGCATTCTC | TCCTTTATGA | TATTTCTCTT | CTAGGTTATG | TTGGTGTGTA | ATTATTTATT | 216300 |
| TCTCCTTTTC | TTTCCACTAG | ACTGTGAAAT | GCTTGAGGCA | AGGAATCCAT | TCTATGTTTT | 216360 |
| CATCACTTGG | GTGTCATCAT | GGTGCCTGAT | TTTTAGCTTT | AAAATAAAAG | AATCAGTGAA | 216420 |
| TCCAGTAATT | AGAGGGGATT | TAAAGAAAAC | TAGTCCTCAG | AATCTTTTAA | CATAGAATGT | 216480 |
| TCTTCAAATA | AGGAATTCCA | ATAATAAGAC | AATTTTCTAC | ACTTGATTTT | GTTTTTATAG | 216540 |
| CCAAATGGTG | TCATTAAATA | TAGTCCTGGC | CTGAATGGCT | TTCTCATTAA | TGATGCTAAT | 216600 |
| TATTTTGGTT | TGTACATGTT | AACCAGGTAT | TGTACAAAAA | TATTTCTTTT | GGGAATCCAT | 216660 |
| AATGGATGTA | TGGCTTGAAT | ACAAATAATA | CTGTCTCTTG | TAAGTGCATT | GGAAATTTTT | 216720 |
| CCCTGCCACA | TGATTTTCATG | GAAGGTTGTT | TCGTGTATGT | ATGACTGCAA | ACCTGACTAT | 216780 |
| TCAGATCTTC | CGCAACAAGA | CAACTTATGT | GTGCATTAAG | AAGTTGCTGC | CTAAAATACA | 216840 |
| TAACACTGTA | ATCATTTGGAG | ACTTTAAAGT | AATTAATCAG | CTATGCAATG | CCACGCTCCT | 216900 |
| GTTATCTCCA | GAGGGCTCTG | ACATTGACAA | ATGGTGGCTT | TCTATTTGAG | ACGTAATATC | 216960 |
| TAAAAAGCTT | TAACAGGTTT | GTAGAAGGAT | TGAAAGAAAG | AATGGGAACA | TTTAGGTCCT | 217020 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|--------|
| TATGGTAGAA | TAAGCATTAA | TTGATTAGTG | TGTAGAAGGG | AGAGGCATGC | CACTTCAGAG | 217080 |
| GAAACTTCCT | TCCCCAGTA | AACAAATCTA | CCTAAAAACT | AATTTTATCC | CTTCTTCCCA | 217140 |
| GGTAGCACTG | GCTGTGTCTG | CTGTCTCCTA | TGGTTCACAG | TGATTTATGA | TGACCCCATG | 217200 |
| CATCACCCGT | GCATAAGTGT | TAGGGAAAAG | GAGCACATCC | TGTCCTCACT | GGCTCAACAG | 217260 |
| GTACAGTGCA | CACCTTGTAC | CTGTGGCCCA | TGCAGAGGTC | TCTAGGGCAG | GGTGTGGATC | 217320 |
| TCCTCTGAGA | GGCACCATCT | TGGCTGCTCT | AATACTCATG | CTGATTAGAT | CTTTCTTTTC | 217380 |
| AGCCCAGTTC | TCCTGGACGA | GCTGTCCCCA | TAAAGGCGAT | GGTCACATGC | CTACCACTTT | 217440 |
| GGGCCATTTT | CCTGGGTTTT | TTCAGCCATT | TCTGGTTGTG | CACCATCATC | CTAACATACC | 217500 |
| TACCAACGTA | TATCAGTACT | CTGCTCCATG | TTAACATCAG | AGATGTGAGT | TTACTTCCTA | 217560 |
| TACTTCTACG | AAAATGATAA | TGGTAATAAG | GAGAAACAGT | TCTGTGTTAC | CTATTACATT | 217620 |
| CTGGCTTTAC | ATATAACCAT | TAATTTAACC | TTCACAATGA | CCTTGAGAGA | GGCATTGTTA | 217680 |
| TAATTCCTTT | TTCACAGATG | TGGAAACAGG | ACACTTAGAG | GTGAGATAAC | TTGCCCCAGG | 217740 |
| TTGCACAATA | CTAAGTGATA | GAGCTGCTGC | AGCATCCATA | TTCTTAACCA | CTATGCTATA | 217800 |
| CTACCACACC | AGCTGATTCC | AAAGCTTCTT | TTAGAAATAA | TATTGCTGGG | CCAGGCATGG | 217860 |
| TGGCTCATGC | CTGTAATTCC | AGCACTTTGG | GAGGCCGAGG | CAGGCAGATC | ATGAGGTCAG | 217920 |
| GAATGCAAGA | CCAGCCTGAC | CAATATGGTT | TACTAAATAT | CATCTACTAA | AAATACAAAA | 217980 |
| ATTAGCCAGG | TGTGGTGGCA | GGCACCTGTA | ATCCCAGCTA | TTCAGGAGGC | TGAGACAGGA | 218040 |
| GAATCGCTTG | AACCCAGGAG | GTGGAGGTTG | CATTGAGCCA | AGATCATGCC | ACTGCACTCC | 218100 |
| AGCCTGGGCG | ACAGAGTAAG | ACTCCGTTTC | AAAAACAAAA | AACCCAAGAA | ATTAATATTG | 218160 |
| CTTTTATCTG | GAGCCCAGAG | TGATGCAGCT | TCTGGCCCTC | TTATCTGAGA | CAGTGTTCTT | 218220 |
| TTAGTGTGAA | AAAGGATGCT | AATTTTCCCC | CAAACAACCC | ACAGTATCAT | GGGGGTAAGT | 218280 |
| TAATGGCTGG | TCTGTGTAAC | TGACAAATTT | TGGTGCTAAC | GTATCTCTAT | AACTACTCTG | 218340 |
| TATAAACTTC | CTTCCTTCAG | AGTGGAGTTC | TGTCCTCCCT | GCCTTTTATT | GCTGCTGCAA | 218400 |
| GCTGTACAAT | TTTAGGAGGT | CAGCTGGCAG | ATTTCCTTTT | GTCCAGGAAT | CTTCTCAGAT | 218460 |
| TGATCACTGT | GCGAAAGCTC | TTTTCATCTC | TTGGTAAGGA | TAAGCGTGTG | GGCCCATTTA | 218520 |
| ACCAATCCCT | TTTCTGCACA | TGGTCTCAGA | GGGTTCCTTG | ACAGCATGTC | CTCATTGCCC | 218580 |
| AGGGCTCCTC | CTTCCATCAA | TATGTGCTGT | GGCCCTGCCC | TTTGTGGCCT | CCAGTTACGT | 218640 |
| GATAACCATT | ATTTTGCTGA | TACTTATTCC | TGGGACCAGT | AACCTATGTG | ACTCAGGGTT | 218700 |
| TATCATCAAC | ACCTTAGATA | TCGCCCCCAG | GTAAGAGCTC | TACCTGTTTT | TTCCCCTCCT | 218760 |
| CCAGACCCCT | CCAGAGGTGT | TAGACCTCAG | TGGTCGCCGT | GAAACTCTTT | AATGTTACTG | 218820 |
| ACATTGCACT | AATGGCAGAA | TGACAAATAA | CTACAAATAT | CTGTCTGTGG | CCATTTTTAG | 218880 |

| | | | | | | |
|-------------|---------------|----------------|-----------------|--------------|-------------|--------|
| AACAACAAAT | GTGGCATT | TTT TAGAACAACA | ATTTCCAATC | TTGGCCAGTA | ATCATTTTGA | 218940 |
| CAAAAACCTT | CCCAAGCTTC | CCTAACAGAG | ATTGAACTGT | GTATGCTGGG | AAAAGGCCCA | 219000 |
| CACACAGGTG | ATTTGGAAAA | GTTTCCATGG | TGTTGTTCAT | ATTAGCTACC | ATATATATAT | 219060 |
| ATATATATAT | ATATATATAT | ATACAGTCAC | AATAAGCCAG | CTCCTGTGCC | AAGACTTGCC | 219120 |
| ATATATCAAC | ACATCTAATC | CTCACAGTTA | TATTAGGTAG | GCCCTATTGT | TATCCCCATT | 219180 |
| TTATAAGGGA | GAAGGCTGAG | GCACAAGGAG | GTTAAATGGT | GTGACTATGG | TCACATAAAG | 219240 |
| GCAGAGCCAG | GATTTGGACT | GGGGGAGTCT | GGCTTTGGAG | TCTGTGTCCT | GCCC GTTGCA | 219300 |
| CAAAC TGGCT | TCTCCACTGA | GCAGCCGGGG | TAAAGAAAACG | TGGTTCCCAG | AGAGACTGCA | 219360 |
| TTGCTCCCTG | GTTATTGACT | TGGTAGATTG | GTAATTT CAG | GTTTGGCAAA | TAGACATTGC | 219420 |
| CCTGAATGTC | TTTAGGTGAA | TGAAAAACTG | CATTAAGCAA | AATGACTTTG | CCATTAGAGC | 219480 |
| TGAATTGCAT | TAAAGTTGAG | TTGCTGCAGA | AGCTGTAGGT | GGCTTTCTAT | ATAAAATCAT | 219540 |
| TTATAAAATC | ATCTTCCCAC | AGATATGCAA | GTTTCCTCAT | GGGAATCTCA | AGGGGATTTG | 219600 |
| GGCTCATCGC | AGGAATCATC | TCTTCCACTG | CCACTGGATT | CCTCATCAGT | CAGGTTGGGC | 219660 |
| CAGTTTATTG | AACATCTTCA | AGTGGCAGGT | ATTGTTTTAG | GTGTTGGAGA | TACACACGGT | 219720 |
| GCTCTAAAGA | TCTGGATGGC | AACACAATTA | CTCTATTTAC | ATGAGCCTCT | AAATCAGACT | 219780 |
| CTGGTAGGTC | AGATTTCCCA | GAGGAAGAAA | AATATAAGCT | TATTTTCTCA | AGATGAATAG | 219840 |
| ATGTTAGATT | GATTAAAATG | AGCTGTTCCG | GTGCAGAAGA | CAGCACGTGT | GACTTCCTAG | 219900 |
| AGGTACATGA | GCATGAAACA | GTTCTTAGTT | ATGACCAGAA | TGAAAGACAC | ATGTCAAGGA | 219960 |
| ATAGCAAGAG | ACGAAGACAG | AGGGGCAAAA | GAAGATCATG | AAGAATATGT | TCAGACTAAT | 220020 |
| CCAATTTTTA | AAAAATCACA | AAAGGGAAAC | AAAGTGTCCT | AGGCCAGTTT | AAAGATAATT | 220080 |
| TAATGTCTGG | AAACAGATCG | GCTGTGAGAC | ATTGCAAGGA | GGCTTGCTCG | GTGTTTGGAA | 220140 |
| ATGCAGGCTC | ATGAGGAAGA | TGAAAAGACA | GACCCAGGCA | GGGATGGAAG | GACTGACGAG | 220200 |
| AACCAACTTA | CAAAGAGAAG | TTTTGT | TTTTT ACTACATTT | CATATGTGATCA | AGTTCCCAGG | 220260 |
| TTAATATTTG | ACTAAACTGC | TAGGAATCCA | CTGTGACTAT | AATGCTGGAA | ATGACTTAGT | 220320 |
| AGGGCTTTCT | GAGGAGGGTC | ACACAGAAGA | CCAAAGAGAA | CTCATGTTGA | ATTGAGATGG | 220380 |
| GTTGTAGTGA | TAGTTGTCAA | CAGCCAATAC | AGAAACAAAA | AAAAACAAAA | CAAACAGCAA | 220440 |
| CAACAACAAC | AAAAAAAAAAC | AGAGAAGACA | CAAACACAAT | GCCACAATGC | CATTTTAGGC | 220500 |
| ATAATTTTAA | ATGAGTAATA | TTATATGTTG | AAATCCAAAT | TTTCAGAAAA | ACATTAGTGT | 220560 |
| ATTTTATTTT | TGTTTAAAGA | AATAACCATC | TCAACTCAGA | ACCCCATGTG | CATTTTGGCC | 220620 |
| ATTTTGT | TTT CAATAGTTT | CATAAACTTT | TTAAGTAACT | ACTGCACATT | GTTTCTTATA | 220680 |
| TTCCTTG | TGTAACAT | TGC AATACACA | AC TGGGAGGGCT | ACTAGAACTG | GTGTAGAAGG | 220740 |
| AACTTGTGAG | ATTGATCATT | TTCTCTGTTT | TTTACATCTA | GGATTTTGAG | TCTGGTTGGA | 220800 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|--------|
| GGAATGTCTT | TTTCCTGTCT | GCTGCAGTCA | ACATGTTTGG | CCTGGTCTTT | TACCTCACGT | 220860 |
| TTGGACAAGC | AGAACTTCAA | GACTGGGCCA | AAGAGAGGAC | CCTTACCCGC | CTCTGAGGAC | 220920 |
| ATAAAGTTAC | AAACTTAAAT | GTGGTACTGA | GCATGAACTT | TTTAAACATT | TTTTACTTCT | 220980 |
| CTCCATATTC | CTGACCATAG | ACTCAGCAGT | TCTTAACTCT | GGCTGTGTGT | TAGTCTTCCC | 221040 |
| TGGGGAGCCT | TTATAAGACA | CTGATACTTG | GGACCCACTC | CAGAGATTCT | GAATGAATTG | 221100 |
| GTCTGGGGTG | GAACCCAGAT | ACTACTAATT | TTTAGATACT | CCTTAGAGGT | TTCTAGCATG | 221160 |
| CGCCCGGGGT | TGACAACAGC | TGGACAAACT | TGAAAAGTCA | ATTCATGTGG | CCTTTGAATT | 221220 |
| TTCTCTATTG | GAAAGTACTA | AATAAATAAA | AATTCATGTG | AAAATGATCA | CTGATAAATA | 221280 |
| TCTTCATGGT | GGGGCAGGTT | ATTGGATGCA | GAGAAGATCT | GCTCGGAATT | GTAGCCATAT | 221340 |
| GTTACAGATC | TCAGCACCGA | TCGGAAGTGT | AAAGCTATAA | TCCCCAGAAT | TAAAGTTTTT | 221400 |
| ATTATTTTTT | ATACATTGTA | AAACATAGAC | GTTTATTTAT | GTGATTAAAT | TCTATTAAAA | 221460 |
| TTTACATGCT | AAAATAAAAT | AGACCATTTT | CAAATTATTT | AGATCCAGAT | ATTTCCATCA | 221520 |
| GATTAAACAG | ATATTTATTT | ATCCTAGCCC | AATTGCAAGA | GATTAATGAT | GAGAAAATGA | 221580 |
| CCAATACAAG | ATTAAATAAA | TGAGGTTAAC | TTAGAAATCA | AGGACAGAGA | AGATAGAACT | 221640 |
| GGAAGGCTTG | TATTGTGAGA | AGAATGAATG | TGAAGGAAGG | CAATGTAGAC | ACTTCCAGAA | 221700 |
| GGGATAGCAA | TATAGTTTAG | ACCATATAAT | GAAAATTGGA | GAGAGATGAC | AGAGACACTT | 221760 |
| TCAAGTGAAA | TGACAATTTA | TATGGGGGAG | AAAAATATTG | AAGACATAAC | AAGATGAGAA | 221820 |
| AAGGCATAGA | AATGTATCAC | ATACAAGGCA | TAGAAGTGTA | TCACATACAA | GAGAAGTTCC | 221880 |
| TTTTGAGCGT | AGAAAAAGAT | AATTTAACCT | TCTTCATATT | TTTCTTACTT | TCCCAAGATA | 221940 |
| CTCAGATAGG | CAGCGTCAAC | TCTAACAGGA | ATTAATTTGG | CTCCTAACAC | TTAAGACATA | 222000 |
| TCCTTTAGTT | TGTCTCCTCA | CACAGAACTG | ATTCTGGTTT | TGCCACAACA | TGTCTAGAGA | 222060 |
| AGAAGTTCCC | ACCATATTTT | AAATCCTATT | AAAAAAGTGC | TTGGACAAGA | ACCTTGGGTT | 222120 |
| AATTCAGCAG | ATGAAGAGAA | TCTCCTAATG | CAAATCAATG | GGTATTTTTG | AGCAAGTTTT | 222180 |
| TCAGAAAAAC | AGAGTGTGAG | GCCCTGAGGG | TGGTACTAAG | ATGAGAACAT | TGATTTTGCC | 222240 |
| TTCATGATAT | TGACAACACA | AAGAGGAAAG | GGGGTTTGCA | GAAAACTAAA | AGAAGAAGTA | 222300 |
| GAAGAAAAAA | GAAAGACATA | GTATAATAGG | TAGTCAAATT | ATGTACAGAA | AAAAGAGAAA | 222360 |
| AAAAAAACAA | AAAAGGGTGG | GGGACAGACA | ACCCAATAA | AAAATGGGCC | AATGACTTGA | 222420 |
| ACAGGGACTT | CATAAAAGAG | AAAATGTAAG | TGGCTCCTTA | ACATATAAAA | AGATGTTCAA | 222480 |
| CTTCATTAGT | CATTACAGAA | ATGAAAATCA | AACTACAAT | GAAATACCAC | TATAAAATTA | 222540 |
| ACTAATGGAT | AAAATGAAAG | GAGATGGAAA | ACAAAATGTT | GCCAGACATG | TGGAGCAACT | 222600 |
| GGAACTTTCA | TACGTTACGA | ATGTGAACTT | TGGAAAGCTG | CTCGGCAATA | TCTCCTAAAG | 222660 |
| CTAAATGTAC | AATTCCAGTG | ACTCAAACAT | TTTACTTAGA | AATGCACATA | TACATCCATA | 222720 |

| | | | | | | |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| AAACATGTAC | AACAATGTTC | ATAGGAGCAC | TATCTGTAAT | AGCCTGAACA | GGAAGTTGTC | 222780 |
| TGTTAAAAAA | AGAATGAGTA | AATAAACCAC | GGTCTATTTG | TATAGCAATG | AGAATTAACA | 222840 |
| GACCCCAATA | TATAATAGAT | GAATGGGTCT | CATAAGCACA | ATATTGATTA | AAGGAAGACA | 222900 |
| AAACGCACAT | TCTTTTAAAG | GTTTATAAAA | TACTTTTTAA | AAACAGCTAC | AACCAATCTG | 222960 |
| TCCTGTTAAA | AATCAGTGAG | CGATTTCCCT | TGTGCAGGGA | TGGGGGTTGT | GGCTGGATGG | 223020 |
| ATGGTACTTA | AGAAGTGCTC | CTGGGGTACT | AGAAATATTT | TATTTCTTGA | CTTGGATGTG | 223080 |
| TGTTTACTTT | GTGAATATTG | TACATTTATG | ATTTGTGCAC | GTTTATGAAT | GTAGAAAATA | 223140 |
| AAACAGAAAAG | CAAATTCAAA | GTATCATCCT | TTTGAGAGCT | TCTGCTCTGA | CTTCGTTTTG | 223200 |
| ACCAATGGAG | CAGTTGGGAA | GGGGTCTTGG | TCCTTCGGTC | CTTTGCTTTT | TTTTTTTTTT | 223260 |
| TTTTTTTTTT | TAGACAGAGT | CTTACTCTGT | CGCCCGGGCT | GGAGTGCAGT | GGCTCGATCT | 223320 |
| TAGCTCACTG | AAAGCTTTGC | CTCCCGGGTT | CATGCCATTC | TCCTGCCTCA | GCCTCCCCAG | 223380 |
| TAGCTGGGAC | TACAGGCACC | TGCCACCATG | CCCGGCTAAT | TTTTTGATT | TTTGTAGTAGA | 223440 |
| GACGGGGTTT | CACCATGTTA | GCCAGGATGG | TCTCGATCTC | CTGACCTCGT | GATCCGCCCA | 223500 |
| CCTGAGCCTC | CCAAAGTGCT | GGGATTACAG | GTGTGAGCCA | CCGCGCCCGG | CCCCTGGTCC | 223560 |
| TCTGCTTTCA | TGTTCTTCTT | GGTCCTGTTT | CTCCTCCTCT | TTTGTTGGAA | CTTCCAGTAT | 223620 |
| CAGAGCAGGA | AGGAAGGCAA | TGGGTCAATC | GATGCTGTCA | GCTTTTGGAT | CAAACCTGCAA | 223680 |
| GTTCTCAAAC | AGCAAAATTA | ATGAGCTCAG | GCTTTGAAGA | AACCATGACC | CTGAAAGCAT | 223740 |
| CAGTTGCTTC | CAATTGCATC | AGTTGCCACG | GGTGATAAGA | ACAATGATGA | CTCAGAATGC | 223800 |
| CTAGGTTTTT | CCAGCAGCTT | CTCTGAGGTT | TTCCCAGCAG | CTTCTCTGAT | TGATTCCTGA | 223860 |
| CAGATGACTT | CGGTGTGTCA | GACTTTCAGG | GTATCTTTCC | TTATGTGATG | GTTTGAGGAA | 223920 |
| GAGTTACCAT | TCACATTCCT | AATGGCTTCA | GAATAGATGC | AATTGTGAAC | TGATAGGAAA | 223980 |
| CATTCTAAT | TCATCTCCCC | TCCCCATCCC | TAAAGGATTG | TTTCTAACAA | TAGTCATGAA | 224040 |
| AATTAATTCA | CTTTTCTCAA | ATAGTTTATT | GTCATCTACC | TAATGATGAG | ATGACTTACT | 224100 |
| TTTTCTCCTT | GACTGTAA | TATTATGAAT | TATATTAATG | TATTTCTTAA | TGTTGAGCTT | 224160 |
| TCCCTTGAAT | ATTCTTTTGA | TGTACGACAG | AATTTGATTC | ACTAATAGTT | TATTTAGGAC | 224220 |
| TTTGGCTGAT | GTAATGATAT | ATGAGATTGG | CTCTGTATGC | ATACATGTGT | TTTGTGTATC | 224280 |
| TTTTTTGTGT | CTGGATATGG | AGCTTATGCT | GATTTCAAAA | ACAAGAAAGG | AGAACTTTCC | 224340 |
| TTTTTCCCCA | TACTCTGAA | AAAGATTGAC | TAGAATGGAA | TTTTTATAAT | TGCTGTTGTT | 224400 |
| ATTTGAAAGC | TTGAAAGCAT | TGGTTTGTAA | AAATCATGCA | GGCTGAAAGC | CATTTTGAGG | 224460 |
| AGACTTTGAT | AACTTTCTCA | ATTTCCCTTCA | GTTACTGGTC | TTTTAAGGGG | TTTTATATTT | 224520 |
| TTCTTTGATC | AATTTTGACC | ATTTATGTTA | TCTTGAGGGA | TCATCTATTT | TACACACTAT | 224580 |
| TTAAAGTATA | TTTGCAAAAA | TTCAACTGTT | TTATCAGGCT | ATCTTTTTTAA | TAATATATTC | 224640 |

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|--------|
| ATTTTATCTA | TATCTGAGGT | TTTAGCTTCT | TTGTACTTCT | GACCCAATTG | CATGTGTGCT | 224700 |
| TTCTTTCTCC | TTCATTAGAC | TACTTAGTCA | TTTACTAATT | TTAAGAATAG | CTTGTCTTTT | 224760 |
| ATTTATTTAC | TTATTTATTT | TTGAGACGGA | GTCTCACTCT | GTCACCCAGG | CTGGAGTGCA | 224820 |
| GTGGCGCGAT | CTCGGCTCAC | TGCAACCTCC | GCCTCCCGGG | TTCAAGTGAT | TCTCCTGCCT | 224880 |
| CAGACTCCCG | AGTAGCTGGG | ATTACAGTCA | TGCACCACCA | TGTCTGGCTA | ATTTCTGTAT | 224940 |
| TTTTAATAGA | GATGGGGTTT | TGCTATGTTG | GCCAAGCTGG | TCTCAAACCTC | CTGACCTTAG | 225000 |
| ATGATCTACC | CACCTTGGCC | TCCCAAAGTG | CTGGGATTAC | AGGCATGAGC | CACTGCGCCC | 225060 |
| AGCCCTGCTT | GTCTTTTTAT | TTTATATTTG | ATTAGCTTTA | TCTTTTATCA | AGCTTATGTC | 225120 |
| CTATTTCCCT | TTGCTTTACT | TCATATAAAT | TTTGTTTTGG | ATAGTTTATT | TATTTTTTCAT | 225180 |
| TTAATTATGA | AACAGGTTAA | AGCTTAGAGG | AAAATTGCTC | CTCTAAGTCC | AATTTTGTGG | 225240 |
| GCAGATTACA | TTTTGCTGTG | TTGTGCTCCC | AAATTCATTG | TTCTTTTAAT | GCTTTATTTT | 225300 |
| TCAAGTTAAT | AACCTATATA | GTAAAAAAGT | GGCTGTTGAC | TCTCAGCTTT | TTTTTTTTTT | 225360 |
| TTTTTTTTTT | GTAGATACAG | GGATCTTGCT | GTGTTGCTCA | GGCTGGTCTG | AAACTGCTGG | 225420 |
| CTTCAAGGGA | TCCTCCTGCC | TTGGTCTCAC | AAAATGCTGG | GATGACAGAC | ATGAGACACC | 225480 |
| ATGCCTAGCC | ATGTCTCTCT | CCTTATATAT | AATAAGAAAA | CAGACACACT | GAGGCATCCT | 225540 |
| ATCATCTCAC | TCTTGTTTTT | ACTACTGTTT | TCTGGAAGTT | TTGCTCTGAC | CTTTTGCAGT | 225600 |
| TAATGTATTA | ATTTTGCATT | GAGTAGTTTC | CATAGAAGAA | TTATAGCATT | TGCATTCTGT | 225660 |
| TGGGTATTAT | ACTTTTCACT | GTTATTTGAA | CATAATTTGA | GGGCTGAAAC | CAAGATGAGG | 225720 |
| CAAGTGAGGT | GCCCAGGAAG | CAATATTTAA | GGAGGCATCC | TTTCTTAGGC | TCATGCAAGA | 225780 |
| ACAGAATTGG | CACATGAGAG | TGAGTGCCTC | CTTAATTTTG | AGTGCTGGAC | ACTTCTTGCT | 225840 |
| CACTTAGCAT | ACCCCTGGAC | AATGAAGTGT | TTTTTGTTTT | GTTTTTTTCAT | GTCCATCCTT | 225900 |
| TATCCTTCTT | CATCTCAAAA | CATTTCAATG | GAGTATTTTT | TTGGAGCAGT | ACTTGGATGA | 225960 |
| GCCTCTGAGT | CCCACAGTAG | CTGAGAATTT | ATTTCATAGT | ACTCTTTATG | ATCACTGTGG | 226020 |
| AGCCTTAAAA | CATTGTAATA | TTAACTTAGC | TGGGAACAGA | AATTTTGTTT | CACAATTTGT | 226080 |
| CTTATTCAGA | ACAGTATTGA | CTTCCTGCTA | GTCTCTTCTG | ATGTCCAATA | TGAGGAAGTC | 226140 |
| TAGTTAGCCA | GCTACTTTTT | GTAGGAGAGC | TATGTTTAGG | CTAGGTGCTA | TAGGATTCTC | 226200 |
| TTTATCCTGG | AATTCCTTCA | CCAAGATGTG | CCAAGGTGTT | AATCATTTTC | TCTTGCTTTT | 226260 |
| TGGCTGGTGG | TCTTAGAGTT | TCCTTCGATT | TTGTTTTATT | TAGTGATTGT | CCTCAATTTG | 226320 |
| TTTTCTTTAC | TAAGAATCTC | TCTTCTATTT | ATCTGTATGG | TAAAACCTTG | TTGCCCATCT | 226380 |
| TTCTGGTTTC | TGCTGACTTT | CATTTTGGGA | CCTTTTACTT | TGCTTCTCCT | ATGGACTTTT | 226440 |
| TGGTAGTGGA | GGCAGGCAAA | CACTTTCCAA | AGTCTTTCTC | AATTTCCATC | AATTTCAACT | 226500 |
| TATTTCTTAA | AATTGCCTCA | GAATGTGCCT | ATGTCCACAA | TATCCCTCCT | TCCACTTTAG | 226560 |

| | | | | | | |
|------------|------------|-------------|-------------|-------------|-------------|--------|
| AAAGGAAAGG | CATCCACACT | TTATTTAGGT | GCAATGCCTG | AAGTGTA AAC | ACTTTCTGGT | 226620 |
| TGTCAACAAA | GGAGTACTTC | CAAATATTGG | TTTGGGGATA | ACCTGCTAAT | GATTAACACA | 226680 |
| TTACCTTGG | CTCTTGGTTT | GCCTGCTCCC | TCTTCTTTTA | TCTGCTGTGT | GTATTTTTTT | 226740 |
| TAATCACTGA | GAATATGCAC | AGTATTGTAT | GTTTTATTAT | AAGAGAGGAC | TGGCCAGAGT | 226800 |
| GGGAATGTTC | TGAATTCAGA | ATAACTGAAG | CAGTACAGGA | TAGGAACTCA | TTCTTTCAAA | 226860 |
| TGAAGCTGGC | ATATTTTCCC | AGAGCACCAA | ATTTCAATAT | ATATTTAAAA | AACCTGATAT | 226920 |
| GAATGATACA | ATAAAGTGGT | TAGAACTTTT | ATTAAAATAA | ACTTATGTCA | TGAAATACTT | 226980 |
| ATTCTAATTA | TAGTCACTCT | TCATCTTATT | TCATCTTATA | ACATGTTTAA | TGTTTTCTTT | 227040 |
| TATTTACAAA | ACAATTTATT | TTTTGATGAA | AAGTTT TAGA | AATCAAGTTA | AAAATATTCA | 227100 |
| AAGGAATGCC | TAAAGTTTTT | AAAATTCTTT | TACATGTTGT | ACAATCAAAA | GAGTCTGAAG | 227160 |
| ACCATTTAGC | TATCCAAATT | GTTTATTTTT | AAGCAGTATC | CCTTCTAATA | TTTACTATTT | 227220 |
| ATAATCCTTA | AAAATTTGCC | TTAGCACAGG | AGAATTGCTT | GAACCCAGGA | GACGGAGGTT | 227280 |
| GCAGTGAGCC | AACACAGTGC | CACTGCCCTC | CAGCCTCGGC | GACAGAGTGA | GACTCTGTCT | 227340 |
| CAAAAAAAAA | AAAAAAAAAA | AAAAAAAAAG | GCCAAAAACA | AATAAACAAA | CAAAAAAATC | 227400 |
| CGCCTTAACA | TTATTTGTTC | ATTAAAAACT | TTCTTTAATA | CTACTAGTTT | CCCTTTCCTC | 227460 |
| TCAGCCCATT | GTCATATTTT | GATTTTTTATC | ACTTGCTTTG | TAGGACATAT | GAGGTTTTTTG | 227520 |
| TTTTTTTTTT | TTTTTGAGA | TGCAGTCTCC | CTCTGTTGCC | CGTGCTGGAG | TGCAATGGCG | 227580 |
| CAATCTTGGC | TCAGTCAAC | CTCTGCCTCC | TGGGTTC AAG | CAATTCTCCT | GCCTCAGCCT | 227640 |
| TCCAAGTAGC | TGGGATTACA | GGCACCCACT | ACCACGCCTG | GCTAATTTTT | GTATTTCTGG | 227700 |
| TAGAGACGGG | GTTTCACCAT | GTTGGCCAGG | CTGGTCTCGA | ACTCCTGACC | TCAAGTGATC | 227760 |
| CACAATCCTT | GGCCTCCCAA | AGTGCTATGA | TTACAAGCAT | GAGCCACCTG | CCCAGCCAGA | 227820 |
| ATATATGTTC | ATTTTGAGTC | CTTTAACAAA | GTCATAAGAA | TTTTAGGAAT | TCAGTTACTT | 227880 |
| TCTTGAGAAA | ATCTCTGAAA | AGATGCCAAT | AATTTGTAGC | CAATTATATT | GATTTCTCTT | 227940 |
| TTTCATATTG | AGAATTGTTT | TTTAAAAAGT | TTGTATGTGT | GAAGATTTTT | GCACTGTAGT | 228000 |
| TAAAGAAACC | ACCTGTGTGT | TGGTTAAGCC | ATAAGTACAT | GTATTCAAAT | AAATTGAGGT | 228060 |
| GGGGTTACTC | TGAGAATCAA | AGGAAAACCT | GAAGAAACAG | GCAGCCTCAA | AAGGTCTTAG | 228120 |
| CTGTAGCAAC | TTGCTCCATT | GTTGAAATAA | ATAGGCTTGA | ACTTGATATT | TCCCTCTACT | 228180 |
| CAACATTTAA | GGTCTCAGAA | GATAATATAA | TTGGTGAAAT | TTAAGTAAAG | TGCTCACTCT | 228240 |
| TTTGCTTTAA | CAAACCCTAG | AGAGCTGGTA | GGCAGAGCCT | CAACAGACCG | TTTTAGCTTC | 228300 |
| CAAAGGGAGT | TCAGGACACC | ATGATTCACG | ACCACAATAC | ATCACACATA | ATTGAGAAAA | 228360 |
| GATAGTTCCA | CCAAATAAAG | TTGAAATGCT | GACAAGAAGG | GGTAAGAAAT | CTTGGAATAA | 228420 |
| AGTTTATATA | AAATTTATTT | TTTCCTTTTT | TATTGTTATG | GAATAGGACC | AGTTC TACTT | 228480 |

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|--------|
| AAGCCACCCA | TTTGCCAAAA | TAAAGTGAGA | ATCGTTTCTT | TTGGGGACTC | CTCTTTGTAG | 228540 |
| CTCCAAGTGC | CACTAACAAT | TCTTAGGACC | TGAGCTATAA | GCCAGGTGAT | TTCAGTTAAT | 228600 |
| ATGATCAATT | ATTTCAATTA | AATGGCTCTA | ATGTGCAGAG | GGAACGGAGC | CCATCAGCAT | 228660 |
| TCCCTGCAGG | GAAGTGCAGT | GGCTTTTATC | AACTTGAACA | GCTAGCTTTC | AACTGTTTTG | 228720 |
| AAATCACTTT | CAGGGTGGTC | ATGTAGTTGC | TTTTTTGAAA | TCAGAAGATG | ATTCTGCCTC | 228780 |
| TTTTAATATG | TGACTCCTCA | GATTGAGAAA | GTGCTCGCTA | GTCTTAAGAG | TGAATTACCC | 228840 |
| TCAGTGGTCC | AGCGCTTATG | AACCCACATC | TAACCCTATC | CCCTGGGGGA | ACTATCAGAG | 228900 |
| AAATTGGTGC | CATGGACATA | AGAGGAAGGC | ACAGTGAAGC | AGAGAGCCCC | GCATGATGAA | 228960 |
| AATCAGTGGA | CAGCATCATT | ATTTACAAC | TTGTAATCAC | CCAGGAGCAT | GAAAAATCCAG | 229020 |
| GCCAATCTGG | CACCATGAGC | TCTAATTTTT | GTTGGAGTTC | TTGGAACCGA | TTCTGATGAA | 229080 |
| TGACTGTTTA | GCCATTTTAG | AGTGTGGCAT | ACGTGGCTGC | TGGCATAACAG | AGGTTGGATG | 229140 |
| TAAACGGGCC | TTTGCCCTCT | CTTATGAACA | TAGACAGGAA | CTAAACTGTG | TCACATAGGT | 229200 |
| TCCAAATGGT | GGCCTGAATA | CTATTTACAA | CTAAGGTACA | ATGAAATTGA | GTAAGTCTTT | 229260 |
| TCCTCTTTTG | CAGATACCAT | CATTATTCAT | ATATTTCTTC | AAAGTTAACT | ATTTGTATTT | 229320 |
| GGTAATTTTT | AATAGAAATG | TAATAATTGC | TTCTCAAGTT | TAGTCTTTAG | TCTTAAGGTT | 229380 |
| GATGCTCTCC | ATGTCCTTCC | AAAAAAAGGT | ATGTTGCTTT | TATTATATCC | TCGCCTTCAG | 229440 |
| ATGGGATTAT | TCCATTTTGT | TCTTTGTAA | TATATACTTT | GAGCCACTTT | TTTTGTGGCT | 229500 |
| CTGGGTGAGA | TGCTATAGGT | ACAATGACAA | GTGATACGTG | TGTTGTCCCT | GTCACAAAAG | 229560 |
| TGGATAGCCT | AAGTGGTGAC | TTTTACCTCC | ACTCCAAATA | TATGTATCAC | ACACCAGCCG | 229620 |
| TATGCCAGGC | ACCACTCTAG | GTGCTAGGGA | TACAGCAGTA | AACAGACAAA | TGCAACCCCT | 229680 |
| GCCCATGTGA | AAGAGAATAA | GACAATAAAT | AAGTAAAGTG | CATGTTATAT | GGAGGTGGCA | 229740 |
| AATGCTAAAA | AGAAAAATTA | AGCAGGCAAG | AGGACTCATT | GAAAAGATGA | CATTTGGGTA | 229800 |
| AAAGCCCATG | TATATATGTT | CTATTGGTTT | TATTTCTCTG | GAGAGCCCTG | ACTAATACAC | 229860 |
| AATGACTTTG | AGAAGTTACT | GGCTTTTGAT | TTATCACACT | ATTCGGAGTG | CTGAGAGCCT | 229920 |
| TCTTAGTGTG | TATTCAGTGT | TTTAAGAGAG | CTTGTGGATG | AATAATAAAT | AGGACAAAAT | 229980 |
| TTATCCAAAC | TTAAGCCTTG | CTTTAGGTAA | AAGGGCTCCT | CTTACAAGGT | AGAAGGTTAT | 230040 |
| TATTTGGCAT | TTAAATCCAA | CTGAAGACTA | ATAAGACTAA | TTAATTAAAA | GTTTTTAAAT | 230100 |
| CACAACTGGG | TGCAAAATAA | ATGGAAGTGC | CATGCTCGCC | AAGTGTGCAT | GAGTGGTGTG | 230160 |
| CATGGGAGAC | AGCACGAAGC | TAATCCCACT | CATCTTGACG | GTTGCTCCAT | TTTTCTCCTA | 230220 |
| AAATCAGTAA | GACAGAAGCT | GGTCAGATTA | TCAAGAGCCC | TAGTTAAACA | CAGCAGTAGC | 230280 |
| ATTTGGAAGG | GGTTGCTCTC | ATTAGGCAGT | GCCTGACCAC | AACAAGAGAT | GAACAAGCCC | 230340 |
| TGTATCTGAA | GCCATCATGC | CTAGTTATGG | TCCCCCACTG | TTCATGATGC | CTGAAAGGGA | 230400 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|--------|
| GGCCCCCTGC | ACCCTAGAAA | GCTGGGTGGG | TTCTACTGTC | TGCTTTACTG | CTAAAAACCC | 230460 |
| TCTTCTTTGG | ATCTGGACTT | TACCTCTATC | TGATTTTTTT | TTCTAATATA | TGATTTGGCA | 230520 |
| CTGAGTCTGT | CACTGCTGCT | AACTCAGCAG | TTCTAGGGTC | ATTGCCCCAT | TGCCTCACAG | 230580 |
| AAAGAATTTT | ATAGCTTCCA | GCATCCTCTC | TCCTTCATTA | TACTTTGATT | TCAGCATTGC | 230640 |
| TATTTTTTCT | CTTGGGTGTT | GCAGCTCTCT | CTCTCCTTCC | CATGTCTTGT | TGGTTTTCTG | 230700 |
| CTAACTCCTG | CTTTTTTTCT | TTTTTTTTTT | TTGAGACGGA | GTCTCGTTCT | GTCACCCAGG | 230760 |
| CTGGAGTGCA | GTGGCACAA | CTCGGCTCAC | TGCAACCTCC | GCCTCCCGGG | TTCAAGCTAT | 230820 |
| TCTCCTGCCT | CAGCCTCCCA | AGTAGCTGGG | ACTACAGGCG | CTCACCCTTA | TGCCCCACTA | 230880 |
| ATTTTTGTAT | TTTTAGTATT | GCTGTCATCA | ATCCACATGT | CCAGAAGCAC | CTAGAACTC | 230940 |
| TAATTCTTTG | TAGGTATCAA | ACCCTAGGAC | TCTTTCCTCT | AATCACAATA | TATAATCCCT | 231000 |
| GATTCCCAAA | CACGGTCTTT | TCATATACAT | TTTCCACTGT | ACATACTTTC | TGACCTGGAA | 231060 |
| AGCTCTTACA | CAAACACGCC | CTCCCCTAGG | AAGCCTTTAT | AAATGTTCCC | AGGAAGAATC | 231120 |
| AGTCACCCAA | CAGTGTCTTT | GTCACATCTT | AGGTTCTACA | CCTTTATTTG | TTCTATCTGA | 231180 |
| ATGTAATCTC | CCAGAGGGTG | TTATCATCTT | TTTTTTTGAG | ATGGAATCTT | GCTTTGCTGC | 231240 |
| CCAGGCTGGA | GTGCAGTGGC | ATGATCTCGG | CTCACAGCAA | CCTCCACCTC | CTGGGTTCAA | 231300 |
| GTGATTCTCC | TGCCTCAGCC | TCCTGAGTAG | CTGGGATTAC | AGACGTGTGT | CACCACACCT | 231360 |
| GGCTAATTTT | TGTATTTTTA | GTAGAGACAG | GGTTTCACCG | TGTTGGCAAG | GCTTTCCTCG | 231420 |
| AACTCCCAAA | CTCAGGTGAT | CCACCCGCCT | CAGCCTCCCA | AAGTGCTGGG | ATTACAGGTG | 231480 |
| TGAGCCACCA | TGTCCAGCCC | CATCTTTTTT | TTTTAGTTTA | GTTCTTAACA | AATAGTCTGA | 231540 |
| CACAAAGTGG | ATATAACAAT | ATTTTGAATT | ATGAATAACT | AAATGAATAT | TTCCAGATTT | 231600 |
| CCTGGTGCTC | TCAAAGTTTT | ATGTTACAAA | AGAAAAACAA | GTCTAAAATA | CCTGCCTCAA | 231660 |
| GTTTTTATCT | GTACTATGAT | TTCAAACCAA | ATAAAAAACA | GGTGGGGTAA | AAACTGAAAC | 231720 |
| AGGAAATACA | TATAACTGAA | AAATTTTGGT | ATGTTAGTAT | GATAATACTA | GGTCATTTTT | 231780 |
| CCTGTTTCCC | CAACTTCATT | TTCTATAGCA | ATAAAAAGAA | ACAAGTAAAT | GTATATTAAT | 231840 |
| TTAATTTAAA | AGAAGTAGTC | TACCATCTCT | TCTGTAAAAA | AGAAAAAAGT | ATTTTAAAAA | 231900 |
| ATTATCTCTG | GAAGGATACA | CAGGGAACAT | TGCTCTGGTT | TCTTCCAAGA | GAGAAATGAG | 231960 |
| GAAGTAGAGA | GCATGGCCAA | GTGGGGTTTT | GCTTTTGTTT | TTGTTTGTCT | ATCTGTTAGC | 232020 |
| TTTTTATTAT | TTTCTTTTGT | AGGTTTGAAT | TTCAAACCAC | ATAAATCTGT | TACATGCTCA | 232080 |
| TAATAATAAG | TTTAAAATAA | AACTTTTGGC | TGGGTGCAAT | GAATTACACC | TGTAATCCCA | 232140 |
| GCGCTTTGGG | AAGCAGAGGT | GGGAGGATAC | TTGAGGCCAG | GAATTTGAGA | TCAGCCTGGG | 232200 |
| CAACATAGTG | AGACCCTGCC | TCTGTAGAAA | TAAACAAAAA | TTAGCTGGAT | ATGGTGGTGC | 232260 |
| ATGCTTGTAC | TCCTAGCTAC | TTGGGAGGTT | GAGGCAGGAG | GATCCTTTGA | GTCCAGGAGT | 232320 |

| | | | | | | |
|------------|-------------|------------|------------|------------|-------------|--------|
| TTGAGGCTGC | AGTGAGCTAT | AATCACCCAC | TGCACTATAG | CATGGGCAAT | AAGGTGAGAA | 232380 |
| CTTGTCTCAA | AAAAAAAAAA | AGGGGGGGGG | AAACAAATAA | ATAAATATAA | ACAAAACTTT | 232440 |
| TGTTTCAAAA | TATGTAATAT | TTAGCACTAA | AGAATTCTGA | ATTGTAGAGC | TAAAAAGTAC | 232500 |
| TTAAAAGTTA | ATAATTATTG | TCTCCTTTAA | AAGAATTGTT | ATCAAAGTAT | AATTTTTTATC | 232560 |
| CAGAAAATCA | TCCATATCAG | CAAGCTAAAC | TTTCTCAAAA | TGACATATCC | ATGTAATTAG | 232620 |
| CTCCCAGGTA | ATTAGCAGGC | AGCCTCTACT | CAGGTTGAGT | ATTCCTAATC | TAAAAATTGG | 232680 |
| AAATTCAAAA | TGCTCCAAAA | TCGGCAACTT | TTTGAATGCT | AACATGATTG | TCAAAGGAGT | 232740 |
| GCTCATGGAA | TATTTTCAGAT | TTTGGATTTT | TGGATTTGAG | ATACTCAGTA | TAATGCAAAC | 232800 |
| ATTCCAAATC | TGAAAAAATC | TGAAATACTT | CTGGTTCTAA | GCATAAGGGA | TACTCAACGT | 232860 |
| GTGTTAGCTA | ATTAGACCCT | TCATGGTCTC | TTCTAGACCT | CAGCTTCTTC | AAGGTAACCT | 232920 |
| CTATCCTCAC | TTCTAATAGC | ATGAACTTTT | CTGTTTTAGA | ATAATTTGGA | TTTTTCAGGAA | 232980 |
| AGTTGCAAAG | ATAGTACAAA | GACAGTACAG | GAGAGTTCCC | ATATATCTTT | CACCTAGCTT | 233040 |
| TCCCCCATTG | TTAGGATTTT | ACATTATTAT | GATACATTTG | TCAAATATAA | GCAACTCACA | 233100 |
| TTGATACATG | AAACTCTATT | AACCAAACCC | TAGACTTTAT | GTGGATTTCA | CCACTGTTTC | 233160 |
| CACTAATGTT | TTCTTTCTGT | TCCAAGGTCC | AATCTGGAAT | ACCACACTGC | ATTTTCTTGT | 233220 |
| CATATCTCCC | TAGTCTTTTT | TTGTCTGTGA | CAATGTCTCA | GTCTTTTCTT | GCTTTTCATG | 233280 |
| ACCTTAACAG | TCCTGAAGAT | CATTTGCTTT | TTTTTCATAA | TTACACCGGA | GTTATAGATT | 233340 |
| TTTTGAAATA | ATACCACAAG | GGCAAAGGGC | CCTTCTTGTC | ACATCATTTT | AGGGAGAACA | 233400 |
| TGATATCCAC | ATGACATCAC | TGATATTAAC | CTTCATCATG | TGGTTTAGGT | AATGTTTCAG | 233460 |
| GTTTCTCTAC | TGCAAAGTGA | TTTTTTTCCC | TTAATTTAGC | CCACCTGAAC | TTATCAATTT | 233520 |
| TGTTTTCTTC | CATGACTAAT | ACTTTTGTTA | TTATAGCTAA | AACTTCATTG | GGGCCAAATC | 233580 |
| TTAGATCATG | TAAATTTTCT | TCTATATTTT | ATTCTAAAAG | CTTGTAATGT | TTGATACATT | 233640 |
| CTAAAAGATG | TAATGTTTGA | TACATTACAT | CTAGTCCTTT | GATTTATTTT | TAGTTACTTT | 233700 |
| TGTATAAGGT | GTGAGAGATG | TCTCCAGTTT | CACTTTATTA | ACACATTGTG | GTGTTCCAGT | 233760 |
| ACTATTTGTT | GCTAAGACTA | TCTTTTTTCC | ATTGATTACC | TTTGCCTTAG | TTGGCAATAT | 233820 |
| TTTTGTGGT | TTATTTCTAG | ACTGTTTATC | TCATTCCACT | GATTTGTGTC | TATCTTTTTG | 233880 |
| ACAAAACGTG | TGATTACAGT | AAGCTTTGAA | ATAGTTCATT | TTTTGTGTCA | ACTTGACTGA | 233940 |
| GTCAGGGGAT | AACCAGCTAT | CTGGTTAAAC | ATTATTTCTG | GCTGTGTTTG | TGAGCGTGTT | 234000 |
| TCTGGATGAG | ATTAGCCTTT | GAATAGGTGA | TCCTAGTAAA | GTAAACTGTC | TTTCCCAGTG | 234060 |
| TGGATGGCAT | TATGCCACCT | GATATTCAGG | GTCTGAATAG | AAGAAAAGGC | AGAGGAAGGG | 234120 |
| GGAATTTGGG | CCTTTTTTTC | TGCCTCACTG | CTTGAGCTGG | GACATCTCAT | CTGGTCTCCT | 234180 |
| GCTCTTGAAC | TGGGATTTAC | ATCATCAGTT | CCTCTGGTTC | TCAGGCCTTC | AGATTGAGAC | 234240 |

| | | |
|---|------------------------|--------|
| TGAATCATAC CACCAGCTTT CCTGGGTCTC CAGCTTGCA | ATTACAGATC ATGGGACTCC | 234300 |
| TCATCTTCCA TAAATGCATG AGCCAATTCA GTCTATGTCC | TTGAAAAGTGG CCCCCTGCA | 234360 |
| GATTAAGGCT TTTTCCACT AGGTGAAATA AAGAAGCTTG | TTAGACAGAT TTCCCTTCAT | 234420 |
| CCAGTGCCCT CTCCTCTTTA AGTTACAACA CATTGGCTAC | ACCTAAGTGC AGGGGTGGGG | 234480 |
| ATGAGGGTAT AGTCCTCTTG TTTGCTGAGA AGAGAACTGT | ATTGGGAAAAG CTCTAGAAGT | 234540 |
| GTTTGATACA TACATAAACA AGGCATGGTT TTTGCACTTA | ATTTACATT ACATTTTTC | 234600 |
| CAGAAAAAAA GGAATGTATA GGCATCACGT AACTGTACTA | GCTGGAGTCA TTCTTCCTGA | 234660 |
| TTATCAAAGG TAAACAGTTA TTAATCCTAT ACCAAGATGT | CAAGGAGAAG TACTTTTGA | 234720 |
| ACACAAGGAA TTCTCTGGGA GTCCTTACTA CTCTCAAGCC | CAGTGAAAAA GTTAATGAAA | 234780 |
| AACTATAGTA CCTTCCTATA AGCTGGATGA CTAATTACCA | GGCTCATTTA GGAATTGCG | 234840 |
| TTACCAAGTA AAACATAAGG GCAGCTGAGG TGCTGACTGA | AGACAAATGG AGCATAGAAT | 234900 |
| AAGAGTAGTA AAGAATGCCA AAAATGCTGT CATGTATCCA | TTGACAAAAG GAGCTATAAA | 234960 |
| GCCTTTAGGT ATTTTCACAC TTGCTCTGTT ACGTAAATGT | ATGTGTGTGT GTGTGTGTGT | 235020 |
| GTGTGTGTGT GTG | | 235033 |

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 237326 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

| | | |
|--|------------------------|-----|
| CACACACACA CACACACACA CACACACACA CACAAATGAG | GTATATAAAG GGTCTCTCTAA | 60 |
| AATGTCATCT GATATTTGTT ATTTTCATATT CTCAGATTTT | TAATCCATTT AGGTAGGTCT | 120 |
| ATTTTAGATA GCCTTGTCTG AAACAGAGCT GGGACCTGAT | GAGTGAAAAT GAGCTCACCA | 180 |
| GAAGAAAAAT CAAACAGGCA TTTCAGAGAT TGAGGCCAAG | AAGTTAAATG TCTTAAATGG | 240 |
| GCAGAGCTTA GCTGCTTGAT GTGAAAAGAG ACCAGCGTGG | CTGGAACAGC AAAGGAGAAC | 300 |
| AGCAGAAGAG GTGAACAGAG GCCAGAGATG GTCAGTGTAGT | GGGCCCTTAA GTCATGGTAA | 360 |
| GGAGTATGGA GAATGAATTA TTGCATGTAT TGAATATGTA | GGTGACGTGA CTCACAGATA | 420 |
| CTTTGGATTT GTAGAGATGA AGGAAATGTA GCAAGTGACA | CTCTTAGAAT GTTGATTTGA | 480 |
| GTAAATGGTA GTGTCTAGTTA TTGAACTGGG GAGAACTGGA | AGGGATAACA GGCTTAAGGA | 540 |
| GCACGTTTAT TCCTGTGTCT TGGAAGTGTT TAGGGTGAAA | GACCTATTAG AGTTCTAAAT | 600 |
| GGAGATGTCA AGTGAAAATG TGGCTACACA CATTTGCATT | TCAGAAAAAA GGTCAGGCTG | 660 |

| | | | | | | |
|------------|-------------|-------------|------------|-------------|-------------|------|
| GAGATGTAAA | ATTGGAAGTT | TACTGCATAT | AGATAGTCTT | TGGAACCGTA | GTATTGATGA | 720 |
| AGCCATTAAT | GAGACAGAAC | AAAGACTAGG | GACCAGAGCC | AAGCTCCAAG | TTTCTAAAAT | 780 |
| TTAGAGGATA | GTATAGTCTG | GTCATTTTGA | GGTGAATACT | TAATAACAGA | ACAATTTGCT | 840 |
| GAAGTGTAAG | TTTAGAGCCC | TACACTTTTA | GCTCTGACTA | TTAACGAATA | CAGGAAAGAA | 900 |
| TGGATATGGT | TATCTGCCTG | GTGTCTGTGA | AATAATTTAA | GCCAGGAAGA | GATCCTCACC | 960 |
| AGAAACTGAC | TATGCTGGCA | ACTTGGATCT | TAGATTTCCA | GCCTGCAGAA | TTGTTAGAAA | 1020 |
| ATAAATGTCT | ATCGTTTAAG | CCACCAGTCT | GTAGTATTTT | GTTATGGCAG | TCCAAGCTGA | 1080 |
| CTAAGTTTTG | GTACCCAGGC | GTGGGATGCT | GCAACAACAA | ATACCTAAAC | ATGGGGAAGT | 1140 |
| GGCTTTGGAA | ATTGGTGATG | GGTAAAGGCT | GGAAGAGTTT | GAGGTTTCATA | CTAGAAAAAG | 1200 |
| CCAATTGTGA | AGGGACTATT | GAAAGAAATA | TGGACATTAA | AGGCAATTCT | GGCAAAGGCT | 1260 |
| CAGAAAGGAA | GAGAGCTGGA | CAGAAAGCTT | CCATTTTCAT | AGAAACTTAG | ATTTATAACG | 1320 |
| ATCATGGATA | GAATATTAAA | TATGCTGGTT | AAAATATGGA | CTTTAGGCCA | GGCGTGGTGG | 1380 |
| CTCACGCCTG | TAATCTCAGC | ACTTTGGGAG | GCTGAGGGCA | CAGATCACGA | GGTCGGGAGT | 1440 |
| TTGAGACCAG | CCTGGCCAAT | ATGGCGAAAC | CCTGTCTCTA | CTAAAAATAC | AAAAATTAGC | 1500 |
| TGGGCATGGT | GATGTGCTTC | TGTGGTCCCA | GCTACTCGGG | AGGCTGAGGC | TGAAGAATCG | 1560 |
| CTTAAACCCG | GGGGGTGGAG | GTTGCAGTGA | CCCAAGATCA | CACCACTGCA | CTCCAGCCTG | 1620 |
| GGATACAGAG | CAGGACTCCA | CTCCCCCGC | CACACACACA | CAAAAAATAT | ATATATATGG | 1680 |
| ACATTAAAGT | CAACTCTTGT | GAGGTCTCAG | ATGAAAATGA | GGGACAGGTT | ATTGGAAACT | 1740 |
| GTAGAAATCA | CTGTTCTTGT | TACAATGTGT | CAAGAACTTG | GCTGAATTAC | GCTGTAGTGT | 1800 |
| TTACTGGAAA | GAAC TTATAA | GCAGTAAAC | TGGATATTTA | CCAGAAGAGA | TGTCTAAGCA | 1860 |
| AAGTATTGAA | GGTGTGATTT | AGGTCC TCCT | TACTGCTTAA | AGTGAAATGT | GAGAGGAAAG | 1920 |
| AGCCGAAATA | AAGAAGGAAT | TTTTAAGCAA | AACACAATCA | GAAC TTGGAG | ATTTGGGATA | 1980 |
| GATTTCTCAA | TCTATATTGT | AAAAATTGAG | AAAGTTTTTC | TTGAAGAGGT | ATGGTTGAAC | 2040 |
| AATGTTTTCT | TTTTCTTTTT | TTTTCTTGGT | TTTATTTTTA | TTTTTATGTT | TTTTGAGACA | 2100 |
| GGTCTGGCT | ATGTCATCCA | GGCTGGAGTG | CAGTGGCACA | ATCTCAGTTC | AGTGCAACCT | 2160 |
| TTGCCTTCAG | GCTCAAGCAA | TCCTCCCACC | TCAGCCTCCT | AAGTAGCTGG | GA CTACATGT | 2220 |
| ATGCACCACC | ACACCCTGGC | TAATTTTTTG | TTGTTGTTTA | TAGAGATGGG | GTTTTGACAT | 2280 |
| GTTGCCTAGG | CTGGTCTCTA | ACTCCTGAGC | TCAAGTGATC | TGCCCTCCTC | AGTCTCCCAA | 2340 |
| AGTGTGGGA | TTACAGGCGT | GAAACACTGA | GCCTAGCCTG | AACAACCATT | TGATAAAGAG | 2400 |
| ATAATGGGTG | TGACCCAAGG | ATTTAATCAG | CCATCTCAGC | AGAAGCCAGG | AAGAGAGATG | 2460 |
| GGATTATTCC | AGCAGAGACA | CTGCCAATTT | AAACTAACGT | AGGCAGAGAA | AACAGAAAGG | 2520 |
| AACAAAGGAA | GGTTGTCGAC | TTTTTTGAATT | CTATAGAACA | GGATCATAGA | GCTACCTGGC | 2580 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|------|
| TGTCAATGTG | TACTATTCTT | TAAGAAAAGG | AAAGACTGAC | CCACCAAAGG | CAACTTACAA | 2640 |
| GATCACTAGG | GCTGACTCTT | TTTTGTTTTT | TCTTGAGGCA | GTCTCACTGT | CACCCAGGCT | 2700 |
| GTAGGGCAAT | GGTGTGATCT | CAGCTCACTG | CAATCTCCAC | CTCCCAGGTT | CAAGGGATTC | 2760 |
| TCTTGCCTTA | GACTCCCAAG | TAGCTGGGAT | TACAGGCTCT | AAATCTGTAC | CCTCCCGAGT | 2820 |
| AGCGCTCCTG | CCACCACTTG | CCCAGCTAAT | TTTTGTATTT | TTAGTAGAGA | TGGGGTTTCA | 2880 |
| CTATGTTGGC | CAGGCTAGTT | TGGAACTCCT | GACCTCCAGT | GATCCATTCT | CATTGGCCTC | 2940 |
| CCAAAGTGCT | GGGATTACAG | GCAGGAGCCG | CCAGGGCTGC | CACTTTGATG | TCAGACTCAG | 3000 |
| AGAGTACAGA | TGGGATAGGG | TGGGGGTGGG | AACATGTAGT | CAAGGCTGAC | TCTACCTGTT | 3060 |
| TCAAAGATGC | CCTGCAGAAC | TGTGTGGGAG | TCTCTCACAG | ATGGCTGCCT | GGGTGGGACC | 3120 |
| CCACCAAAC | GAAAGACCGA | GACTTCAGGC | AGGGCAGATG | GAGTAGGCCA | ACTACAGAGC | 3180 |
| CAGAGGTGAC | ACTGAGACAC | CACTGGGCCT | GGAAATCAGG | GCATCAAGCC | AAAGAGGGTT | 3240 |
| TTTCTTAAGA | CCTAACAGAA | TTTGCCTTGC | CAGGTTTTTG | ACTTGATTAG | GACACATTAC | 3300 |
| ACCTTCCTTC | TTTCCTATTT | CTCCATTTTC | TAATGGGAAT | GTCTATTATG | CCTGTTTCAC | 3360 |
| CATTGTACCT | TAGAAGCATG | TAACATTTCT | GGTTTCACAC | GTTCAAAGCT | GGAAAGGAAT | 3420 |
| TTTGTCTCTG | GATGAATCAC | ACATTGAGCC | TCACCCGTAA | CCTGATTTAG | ATGATTTTTT | 3480 |
| AGATGACACT | TTGAACTTTA | GAATTGATGC | TAGAATGAGT | TAAGACTTTC | AGGGGGCTGT | 3540 |
| TGGGATGGAA | TAATTTTTTT | TTTTTTTTTG | AGACGGAGTC | TAGCTCTGTC | GCCCAGGCTG | 3600 |
| GAGTGCAGTG | GCACCATCTT | GGCTCACTGC | AAGCTCTGCC | TCCC GGTTT | ATGCCATTCT | 3660 |
| CATGTCTCAG | CCTCCAGAGT | AGCTGGGACT | ACAGGCGCCC | GCCACCACGC | CTGGCTAATT | 3720 |
| TTTTTTTTTAT | TTTAGTAGAG | ATGGGGTTTC | ACCGTGTTAG | CCAGAACGGT | CTCGATCTCT | 3780 |
| TGACCTTCTG | ATCCGCCTGC | CTTGGCTTCC | CAAAGTGCTG | GGATTACAGG | TGTGAGCCAC | 3840 |
| CATGCCCCGC | TGGGATGGAA | TAAATTTATC | TTGTATGGGA | GAAGGACATA | CATTTTGGCA | 3900 |
| GGTCAAGGAC | AGAATGTTAT | GGACTAAACT | GTGTCCCCCA | AAATTCATTT | ATTAAAACCC | 3960 |
| TAAACCCCAG | TGTGACTGCA | TTTGACATA | GAGCCTTTAG | GGGGTACATA | AAACTAAAGA | 4020 |
| TCACAGGATA | GGGCCCTAAT | CCCATTGGGG | CTGGTGTCTT | TACAGAAGAT | GAGACACTTA | 4080 |
| GAGCTCTCTC | TCCACGCAGG | CACCAAGGAA | ACACCATACA | AACACACAGT | GAGATGGCAG | 4140 |
| CCATCTGTTA | GCCAGGAACA | GATTCTCACC | ATAAACTATG | TTGGCACCTT | GATCTTAAAC | 4200 |
| TTCCAGGCTC | CAAACTGTG | AGAAAATGAA | TTTCTGTTCC | AAGCCTCTTA | GATATGGAAA | 4260 |
| AAAAGATTCT | GTTGTTTAAG | CCATCCAGTC | TCTGGTATTT | TGTTATGGCA | GCCTGAGTAG | 4320 |
| GCTAAGACAA | TGAAGGATGT | GGTAAACTT | TACGTCCCAA | CCACATACCA | AAGAGGCTGG | 4380 |
| AATTTAGCAT | GCTTTCTTCT | TTCAACTGTA | GGCAATGTGC | ACAAGTTCTA | AATCCTAAGA | 4440 |
| CATGTTGGCT | CCTTTACTCT | GCCCAAATA | CAACTCAAAC | AAACAACGTG | AATATAATAA | 4500 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|------|
| CATCCAATGA | AGTTCTGACA | TTTCTTCAAC | ATGAGTACAG | TAATTCAATG | CCAGAGAATT | 4560 |
| CATTTTATTT | TGAAATCTAC | ATGCCATATT | CCAATTTCTG | TTGAAGATGC | AATGGTTATA | 4620 |
| TTTATTCTTT | TTAATATAGA | TTTATCAGAC | TGGGCGCGGT | GGCTCATACC | TGTAATCCTA | 4680 |
| GCATTTGAGA | GGCTGAGGTG | GGCATATCAC | CTGAGGTCAG | GAGTTTGAGA | CCAGGCTGGC | 4740 |
| CAACATGGTG | AAACCCTGTC | TCTACTATAA | ATATAAAAAT | TAGCTGGGTG | TGGTGGTGCA | 4800 |
| TGCCTGTAGT | CCCAGTTACT | AGGGAGGCTG | AGGTAGAATT | GCTTGAACCT | GGGAGCAGGA | 4860 |
| GGTTGCAATG | AGTGGAAATC | GCACCAGTAC | ACTCCAGCCT | GGATGACAGA | GCAAAATAAT | 4920 |
| AAATACATAA | AATAGATTTA | TCAGTTTATC | AATAATATAG | TTTTCTTTTC | TAGGTGTAAA | 4980 |
| TATAGGTAAT | GACTGTCCTT | TAGTACATTT | TCTCATGATG | CTCCTCTTAC | TTGTTTGGT | 5040 |
| ACAATATTAA | GTATTGAAAT | AAAATAGAGA | ATCCTGTGCG | TACACATGAG | CACTTATTCC | 5100 |
| ATTTGCTCAT | CTCCAATATG | CACGGGAAAT | TCTCAAATTG | CTAATAATCT | TGTAACACAC | 5160 |
| ATGCATTATA | TTCAACAGGA | ATATATAAAT | TTATAATTAT | AATTTAGGAT | CAACAGATGA | 5220 |
| CAAACCTTTA | GAAGTTTGT | ATTTAACCTT | AAAATATAAT | TTTTTAAAAA | TTGGTTATAA | 5280 |
| AATTTCTAAT | ACTTTCTTTT | TTGTGACCTC | AAGGGGAAAA | TATAATTCTT | ATAAAAGTTC | 5340 |
| AAATGATTTA | CAGAATACAA | AAAGTGAATA | GAGATGATGA | ATGAATTAAA | GGAAAGGATA | 5400 |
| TTGCTACATA | GATTTGGAAA | TTTAAAAAGG | GAAATTACGA | TTGTTGATTT | TGTGTTAAAC | 5460 |
| TGATCTGCTT | TGTTCAAGAT | ACCTTATGTA | CCAAAAAATG | ATTTTATCTC | AGCCTCATAT | 5520 |
| CTCAGTAAAT | TCCTGAGACA | AACTTTAGTC | CCTGGTGCCC | AGGTGCCTTT | GGTAATTGGG | 5580 |
| AGACCTCTAG | GTTTAGCATC | CTCATCCACT | CGCCCCAATT | TAAATAGTCC | TCCCCAGGGC | 5640 |
| CATTCAGGCA | AGGGAGATGA | AACTTGCTC | AAGAGTTGGA | ATCCAATTGA | AGCTACCGAA | 5700 |
| ATTCATTGCT | CAATAGATAA | TTTCCCTGG | AAGTAACTAG | GGCTTTTGAA | TATAATAGTG | 5760 |
| GGCATTTCAA | AGTAGAAGGT | AAAGTATTTT | GGAGATGAGG | AGACAGGACA | GAGCTACGAG | 5820 |
| GAATGTCCTT | TGCTCAGGGA | CTAGGCTCTT | AGCAGTACCT | CTTAGGTAAG | AACTGGTTAA | 5880 |
| CTGGCACCTT | CTGTGTTTCT | CTGAAGCTCC | CTTTGCTTAG | GGACTAGGCT | CTTAGCAGTA | 5940 |
| CCTCTTAGGT | AAGAACTGGT | TAACTGACAC | CTTCTATGTG | TCTGAAGCTC | CCAGAACAAA | 6000 |
| CTGCCAATGA | AATTTGGATT | TTTGGAATAT | AGTTTCTTTT | TTGTTGTTAC | TTTTTGTTTT | 6060 |
| GTTGTTTTTT | TTTGAGAGTC | TCACTCTCAC | TGCAACCTCC | CCCTCCTATA | TTCAAGTGAT | 6120 |
| TCTCTGCGCT | CAGCCTCCCG | AGTAGCTGGG | ACTACAGGCG | TGCACTAGCA | TGCCCAGCTA | 6180 |
| ATTTTTGTAT | TTTTTAGTAG | AGATGGGGTT | GGTTTTTTTT | TGAGACAGAG | TTTCACTTTG | 6240 |
| TCGCCCAGGC | TGGAGTGCAG | TGGCACGATC | TTGGCTCACT | ACAACCTCCA | CCTCCCGGGG | 6300 |
| TTCAAGTGAT | TCTTCTGCCT | CAGTCTCCTG | AGTAGCTGGG | ACTACAGGCG | CCTACAGGTG | 6360 |
| AACACCGCCA | CACCTGACTA | ATTTGTGTAG | TTTTATTAGA | GATGGGGTTT | CGCCATGTTG | 6420 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|------|
| GCCAGGCTGG | TCTCAAACCTC | CTGACCTCAG | GTGATCTACC | CACCTCAGCC | TCCCCAAGTG | 6480 |
| CTGGGATTAC | AGATGTGAGA | CACCAGATCA | GCCTCAGAAG | ACATTTTCTA | TTGGAAAGAG | 6540 |
| AAAACACTAT | TAGCAACCTA | TTAGTCTAAT | ATTTAATACT | TAATGTCTTC | CTTAGTAATA | 6600 |
| AACCAACTCT | CTACAACAAA | GTGCTTCCTG | GCTGCCTAGT | CATTGATTCA | TTCAGTTCAA | 6660 |
| CATTTTCTCA | ATGCCCAACA | GCCAAGTGTC | TCCTGTATGC | CAAGTTCTAT | GCTGATTATC | 6720 |
| AGTATTTGAA | TAAGAGGGGG | TCTACATCTT | AAGTACTGCT | TAAGATGAAA | GCCTCTAGGT | 6780 |
| TAACAAACTT | AACACAATGT | ATCATTCACT | ACTAAATAGA | CCGAATACAA | AATCTTGTTA | 6840 |
| TTGGAGCCCA | GAGAGAAGAA | TTGAAATTCA | AGTTTCTCT | CTCTCCTTTT | CTCACTCACC | 6900 |
| ACAATAAGTC | AGTTGCACCA | AGTCTTGTAG | CTCTTACTG | AGCCATGTTT | TCACGTGTCC | 6960 |
| CTTTGTTTTA | TTTGCCACAC | CCTAAATAAA | AATTGTACTG | GCTTTTTTTC | CCTGGGTTTA | 7020 |
| CAGTATTAAT | ACATTGTCAA | GATTTACCTC | TTCGTGTAGA | TTCCCTGGGG | AAAATTACCT | 7080 |
| TTCTCTCTTC | CCTTAAATTC | TTCAGAGGTT | AGAAAGCCAT | TAGTAACATT | CTGGTATGTG | 7140 |
| GACAAAGTTT | ACCCATTATG | TATGGATGTT | TTACTCTTTC | CATTTTTCTG | ACAATAATCT | 7200 |
| CTTAAGGAGG | TGTGGTTATA | GAATAGTCAG | CTGTTATAAG | TACTGTTTTT | CTGGCCTTAC | 7260 |
| AACTTAAATT | CTTTAAGCTG | TTTCTTAGTT | TGCTCATCTC | AAAATTCGGA | ATAAGGATAA | 7320 |
| AACCTATCTC | TTAGATTGTT | GGATTAAATG | AATTAACATA | CTGGAAGCTC | ATGAAATGTG | 7380 |
| CCTGGCACAC | AGTAGTGCCT | AATAAACCAT | CTCTCTTATT | CAGCCTGTTT | TCTGATTTCA | 7440 |
| GAATCTACAC | TTGCTGAGCC | AGGTTCTTTT | CATTTCAAGG | TGAGCAAAAG | CATACAAGGA | 7500 |
| AGAGATGGAG | GTAGGAAGAG | ATTAAGCCCT | AGGCCAAGGG | AGCTGGAATC | AAAGGCAATT | 7560 |
| TGGTCAGTGA | ATAAAAAGGA | TTCCAAGGCC | CATAAGGCAA | TTCTAACCTT | AGGATCGAAA | 7620 |
| TTCTCGGACA | TACAGGAAAT | GCTGGGGGGG | GGAAAATCCG | GTCTTCTCAG | CCCAAGAGCC | 7680 |
| ATGTGAAACC | AGACCTTCAA | ATCTGATGAT | TCTCAGCCCA | GCTGCCCATT | AGAATCGTTG | 7740 |
| TAATTTAAAA | ATACCCTCGG | AAAATTCTAA | TATGTGGCTA | TCAAAGGTGA | TCATTTGCTT | 7800 |
| TTATGCCACT | TTGTTTTTAC | CCAAATGGGA | CATCCAACCC | TTTTCTTTTG | AGAGTAGTTG | 7860 |
| TAGGGAAAGG | AGGGGTGGA | GGGAGGGAAG | AGCGGAAAAG | GCTGGATCCG | CCCCGAGCCG | 7920 |
| GTGTCAGTAT | CTGGGAAGTG | GGAGGCGCGT | CAGCAGTAAA | CAGCTTCTGC | TAGGATTATT | 7980 |
| ATCTCCTGCC | ACACACTCGG | ATTTGAAGGC | TCCAAACGAA | ACAATGCAAA | ACGCTTCAGT | 8040 |
| GGAGTTCCAG | AAGCGTTAGA | CTAAACGACT | GGGTCTGTTT | GGCCAGTCTG | AGCAGCTGGG | 8100 |
| CGCAGATGCA | TAGGCAAGAC | TTAGCCCGCC | TAGACTTTTC | TGCCCACTTA | ATTCCGATCA | 8160 |
| AAGCAGAAAC | CGGCCGGGCG | CGGTGGCTCA | CGCCTGTAAT | CCCAGCACTT | TGGTAGGCAG | 8220 |
| AGGCTGGCGG | ATCACCTGAG | GTCAGGAGTT | CGAGACCAGC | CCGGCTAACC | TGGTGAAACT | 8280 |
| CCGTTTCTAC | TGGTGGCGGG | CGCTTGTAAT | CCCATCTACT | AGGGAGGCTG | AGGCCGGAGA | 8340 |

| | | | | | | |
|------------|-------------|--------------|-------------|------------|------------|-------|
| GTCGTCTGAA | CCCCGGGAGGC | GGAGTTTGTGTA | TGCAGTGAGC | CGAGATCGCG | CCACTGCATT | 8400 |
| CCAGCTTG | CAACAGGAGC | AAAACCTCCGT | TTCAAAAAAG | CAAGCAAACA | AACAAAAAAA | 8460 |
| TGCAGAAACC | GAGATCCGGA | AGAAAACCTC | GGCGAGATTC | ACAGAATCCA | GGAAAATAGG | 8520 |
| TCTCTAGAAA | TTTGTCCATG | GTCCCAGATC | TCCATTTCTT | GTGGGTGGGG | CAGCTGTTAC | 8580 |
| CAGATCCCTA | GAAGCAAAGG | TTTTTTTGGG | GGACCGTGTC | TCACTGTTGC | CCAGGCTGGA | 8640 |
| GGGCAGTG | ACGATCTCGG | CTTACTACAA | CCTCCGCCTC | CCAGGCTCAA | GCGACTCTCC | 8700 |
| TGCGTCAGCT | TCAAGAGTAG | CTGGGAGTAC | AAGGTATGTG | CCACCACGCC | CAACTTATTT | 8760 |
| TTTTATTTAT | TATTTTTATT | TAGTAGAGAG | GTGTTTCACC | ATGTTGGCCA | GTTAGTGTC | 8820 |
| GAGTCGTGA | CCTCAGGTGA | TCAGCCCCCT | CGGCCTCCCA | AAGTGGTAGG | ATTAGAGGGG | 8880 |
| TGAGCAGAAA | GCAAAGGTTT | TTGAGTGGCC | ACAGGCCCCA | CTCTATTTCC | TTTTCTGCCT | 8940 |
| GTAATGGCAA | CCTAGACGCT | TGAGCTTCTT | AAAATACAAG | AGTAAGTTGC | ATGTCAGGCA | 9000 |
| CCGTTCTACA | TTAGGGACAT | TAGTCTGTTT | TACAGACACC | TTTCAACTCC | CTGGTTAACT | 9060 |
| TTTAGGTAAT | ATACTCTGCA | CTTTAGCAGG | AATGGAACCT | ATAACTCTCA | CAGAATTAGG | 9120 |
| AAAGTGAGGC | TGCCTACAGC | CTAAATTGAG | AAAAAATAG | ACGGGGGACT | AGTCGGAGGA | 9180 |
| CCAAACAAGG | TTACCAACAC | GTTAGAGTTT | TGCCTTCAAT | TTACATTTTT | AAAGTAATCA | 9240 |
| CAACGAAGTG | TTTAGATCAC | GAGGCATCCC | TGCATGTAAA | CTGTTAGGCA | CTAACTATGG | 9300 |
| TCGATCTTAC | AAAGCATTAA | CTAGAATATT | TCTTTAGAGT | ATGATAGTAC | GTAAGTACC | 9360 |
| TACTATTACA | TACAAACAGA | CCAACCTTTA | GTAACAGCGC | TCCCCAAAAA | CCGAAAAGCA | 9420 |
| GTAATACGCT | TTGCTCAAGG | TTGGCATAAA | ATTAACCTTAC | CTTAGTGCCT | TTTTTCCTTC | 9480 |
| TACCTACAAG | CAGTGAGGTT | AGCTCTTCCT | TTGAAACGGT | AGGGGGGCTC | TGAAAAGAGC | 9540 |
| CTTTGGGTTT | GATAGCGTTT | CCGGGAGCTC | AGATACCTGT | CAAATCACTT | GCCCTTGGCC | 9600 |
| TTGTGGTGAC | TCTCGGTCTT | CTTAGGCAGA | AGCACGGCCT | GGATGTTAGG | AAGGACGCCG | 9660 |
| CCCTGAGCAA | TGGTCACCCG | GCCTAGCAGT | TTGTTGAGCT | CCTCGTCGTT | GCGGATGGCC | 9720 |
| AGCTGCAAGT | GGCGCGGGAT | GATGCGAGTC | TTCTTGTTGT | CGCGAGCCGC | GTTGCCGGCC | 9780 |
| AGCTCCAGGA | TCTCGGCGGT | CAGATACTCT | AACACCGCCG | CCAGGTACAC | CGGCGCGCCT | 9840 |
| GCCCCAACCC | GCTCTGCGTA | GTTGCCTTTA | CGGAGCAGGC | GGTGCACTCG | GCCCACCGGG | 9900 |
| AACTGGAGAC | CAGCGCGAGA | AGAGCGGGAT | TTCGCTTTGG | CGCGAGCTTT | GCCTCCTTGC | 9960 |
| TTACCACGTC | CAGACATTGC | AATCAGACAA | AAATCACCAA | AACCAGCAGC | CTAAGCTCAC | 10020 |
| GAGAAAACAA | ACAAAATCAA | GAAATATGTA | AAACATGGCC | GCTTTTATAG | GTAGTTCCTG | 10080 |
| GGGAGTAAAT | CCGACTTTTT | GATTGGTCGG | TAGCAAATGC | TAGTCAGATA | GCCAATAGAA | 10140 |
| AAGCTGTACT | TTCATACCTC | ATTTGCATAG | CTCTGCCCAC | GGATGACAAC | TGTGTAGTTT | 10200 |
| GTCTTCCAAT | TAAC TAAGAG | GTACTCTCCA | TCCCTCATTA | GCATAAAAGC | CCTATAAGTA | 10260 |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-------|
| GCAGAAATCC | GCTCTTTACT | TTCGACACAT | TTCTGGTGTT | TTAAGATGCC | TGAGCCAGCC | 10320 |
| AAGTCTGCTC | CCGCCCCGAA | GAAGGGCTCC | AAGAAGGCAG | TGACCAAAGC | GCAGAAGAAA | 10380 |
| GATGGCAAGA | AGCGCAAGCG | CAGCCGCAAG | GAGAGTTACT | CTGTGTACGT | GTACAAGGTG | 10440 |
| CTGAAACAGG | TCCATCCCGA | CACTGGCATC | TCTTCCAAGG | CCATGGGCAT | CATGAATTCT | 10500 |
| TTCTGTTAAG | ACATATTTGA | GCGCATCGCG | GGCGAGGCTT | CCCGCCTGGC | GCATTACAAC | 10560 |
| AAGCGCTCGA | CCATCACCTC | CAGGGAGATC | CAGACGGCCG | TGCGCCTGCT | GCTTCCCCGA | 10620 |
| GAGCTGGCCA | AGCACGCCGT | GTCGGAGGGC | ACCAAGGCCG | TCACCAAGTA | CACCAGCTCC | 10680 |
| AAGTAAACAT | TCCAAGTAAG | CGTCTTAACA | CCTAACCCCA | AAGGCTCTTT | TAAGAGCCAC | 10740 |
| CCAGATACCC | ACTAAAAGAG | CTGTGGCCAG | ACGCCAAAAT | TTATTTGGCG | GCGGAGGGGT | 10800 |
| ATTAGAATGT | AGGAACTGGA | GAGGGGTGGG | GACAAGTGTT | GCAGCTTAGA | GAGGGACAAA | 10860 |
| GGGTCCTGAA | CCCGAAAGAA | GCCAGCCATT | AAAAATGGGT | TTGGGGTCAA | TTCTGTGTGC | 10920 |
| TTAAATTTAA | AATGGGGACA | AGCGGCCATT | TTGCTAACTC | GGCGTTCCCG | GAAGAAACCG | 10980 |
| CAGGCTCGCT | TAGGTTTCAG | ACCCAGCTGT | CTGTCCCTGT | CTACGTCGCC | AGGATCAACG | 11040 |
| GTTGCCGTAA | TGTCATAATT | TCGCCACCAG | CTTCTAGCCA | ATAGGCTGTC | CTGTCAATTTT | 11100 |
| AAATATTAAC | CAATCGAGGG | AAAGCTGTTT | TGAGACTCTG | ATTTACATAG | CGGACCGGAG | 11160 |
| TGGGAACCTG | GGCAGTAACT | GCCTAAGGAA | GGACTCCCCC | TCTGTTTTTC | TGGCGCACAC | 11220 |
| CTTCGTAGTA | TACTGAAGGG | TGTGTCTCCT | GGGTTTCCAA | CTGCCCCGGT | AATAGTCTTT | 11280 |
| TAACCTAATA | TGCGTCAGTT | TTGATAACAA | CACTAAGGCA | GTACAGAACT | AAAGATGTAA | 11340 |
| GCACTGCGCC | AGATGTTGCT | TCATACATCT | TATTCTATTC | AACTGGTTTA | TTCAAGATTC | 11400 |
| AAATCAAATC | AAATTTTGCT | TGAATCCCAG | TGCTCAGTCA | GCCATAAATG | GTGTGTTGCC | 11460 |
| TGATTGAAAC | TTAAAATCTC | CGTAGGGGGC | TTGTAACATG | CAGAAAAGTT | TGAAAGTTGC | 11520 |
| TTTAGGAGAA | GCCAACCTCT | AACTGCTGGG | TAAATTGACA | AGCCTTCGAA | CACTGAACTG | 11580 |
| AAGGCCAGTA | AGGACTAGGC | GCTGGGTGGG | GGAGAATGAA | GAGGAGACGT | CATTAACTT | 11640 |
| AGCACATACA | CTGTGTCTCC | TAGAGGACTC | TCCCTTCCTA | GACAACTGCA | GGCCGCTTTG | 11700 |
| TGGCCTGGGA | AATTCCACAT | TCCCTTAAGT | ATTTTACTCA | TGGTCTTTTC | CAGGTAAAGA | 11760 |
| TTTTAAGATG | AAGGGTTAGA | CGTAGTCTAC | CTATCTTTTT | ATTCAAGTCT | AGAACACGTT | 11820 |
| TTTAGCACCT | AGAAGTTTGC | TTTCTCCATT | AAAAACCGGG | AATATACAAT | AAATAAAATT | 11880 |
| AGTGTTAAAG | CAGATTTTTA | CAAACTTAAA | TACCATGTAA | TTTAGGTTAC | AGTTACTTAA | 11940 |
| CATAAGGACT | GTGTGATCTT | AAATCTGCAA | TTTCTTTTAC | ACCTGGGAAA | TAAACTAAGG | 12000 |
| CCTGTCTTTG | GTGCCAGACA | AGGCCTTATA | CTTGAACACT | GCTGTGCAAT | CACAGGCTGC | 12060 |
| CTTGCCTAGA | TAACTTATCT | GAGAAATTCT | GATGAGAAAT | GAAATTTCCA | GAGTCCCTCA | 12120 |
| CAAGTAAATT | TTTTTTTCTT | TTTTTTTTTT | TTTGAGACGA | AGTTTCTCTC | TTGTTTCCCA | 12180 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|-------|
| GGCTGGAGTG | CAATGGCGCG | ATCTTGGCTC | ACAGCAACCT | CCGCCTCCCG | GGTTCAAGCC | 12240 |
| ATTCTCCTGC | CTCAGCCTCC | GGAGTAGCTG | GGATTACAGG | CATGCGCCAC | GACACCCTGG | 12300 |
| CTAATTTTGT | ATTTTTAGTA | GAGACGAGGT | TTCTCCATGT | CGGTCAGGCT | GGTCTCGAAC | 12360 |
| TCCGGACATC | AGGTGATCTG | CCCGCCTTGG | CCTCCCAAAG | TCCTGGATTA | CAGGCTTGAG | 12420 |
| CCACCGCGCC | GGGCCTAAAT | GGTTTTTTTT | TTTTCTATGC | CTCTAATGGA | CCTGGTCACT | 12480 |
| TATTCCCATT | CAGACTGACC | GCTCTCCTAC | CTGCCAACTA | ACTAATCAGT | GTAACCAAAA | 12540 |
| TCTGCAAACA | AAATTCAGTA | TTCTTTCCCC | GCCTTTTCCC | CTTTCTCTTA | CATAGATTAT | 12600 |
| GTTTTTGCCT | GTGTTAGATG | AAATAATTCT | ATTGCTTGTT | CTCTCTTCTG | TACAAGTACC | 12660 |
| CAGTAAGCAA | ATTATTAACT | TCTTGGTCAT | TTATTTCTGA | ATTTTCCACC | AAGACAGTGT | 12720 |
| TTATGTGAGT | CATACAATAA | GAACCAACAG | AAATGTGTGT | CTTGGAACA | GGTTGTCTAT | 12780 |
| CCCTGGACCC | TTTGAGTTTT | CTGTTCACTT | TCCTTTGGCT | TTTGCATGCT | AAAAGTTTAT | 12840 |
| CGTCCGCGTT | TGTTTGTTTT | GGTTATTCTA | ATTGGACTTG | GCTGATTGGT | TGCATATTGG | 12900 |
| TGGCAGTAGT | AGAATTTGAA | TTCTGGTTTT | CTGGTCACAT | CATTAAGTGA | TTAGTCAGTG | 12960 |
| GAGAGGACAG | GAAATCTGGT | TTATTTATTA | ACCTTTTTTT | GGGGTGTTTT | TGTTTGAAGA | 13020 |
| TGTTGATATT | CTCTGTGAGG | ACACAGGGTT | AGAGTTGGTG | TTTTTCTTTC | TGACTTTACA | 13080 |
| TGGGATTTGA | TGTTTTGTGC | TTGTATGCCT | CTTTCCACCT | TCCAAAACCT | GTCTTTTTTG | 13140 |
| AGTCCAAATA | GTTGTGCGATA | TCTGCAAAAC | CAGTATTCCT | GTGTTAAGAT | GATATGAATA | 13200 |
| TAAAATGGCT | GCCCTGTTAT | AACTTTTGAC | TTAAGAAAG | TGTTAGGACT | AACAGGAGAC | 13260 |
| AAAAAGGAAA | TCAAGGAAAC | CAAATGTCTG | GTCTCAATAA | CTGCTATGGC | AGAGGCTCTA | 13320 |
| CAGCTTATTA | TTAATTTTAG | TAATTTTACA | TTATTGCCCC | TTACGTTTCT | TTAAGTAAGG | 13380 |
| TTAGAGGACA | GAAGAAACAT | AATGTTGTTA | CAAATTGGAC | TATTGAGTCA | GGAAAAAAA | 13440 |
| AGAGTGCTTT | CAATATCTGA | ATAAAACAAA | GATTTAATAT | TTTCTAAACC | TTAACGAGTT | 13500 |
| TATTGTAAGG | GATGTGATGC | TGGAAACTAG | GAAACTAGAA | TTTTCTTCTA | AACTGAGAAT | 13560 |
| CAGAATTATT | CATATTCTCA | GCAGTGGTGC | CACCTGAGGG | ACTTCTGATC | TTAATTACAT | 13620 |
| ACTTTTATTT | CTTTAACTGA | TCAACATGCT | AAATAGATAA | CCTATGGCTC | TGTTTTTACC | 13680 |
| CACTTTAAAT | TCTGTTCTAT | TAGCACGGTT | AGCTTTCCTA | ATTGGCAATA | AGATTGAGAC | 13740 |
| TATCTTTTTT | TTTTTTTTGA | GACAGAATTT | TGCTCTGTGG | CCCAGGCTGG | GGTGCAGTGG | 13800 |
| CACAATCTCG | GCTCACTGCA | ACCTCTGCCT | CCAGGGTTCT | AGCAATTTTC | CTGCCTCAGC | 13860 |
| CTCCCCAGTA | GCTGGGATTA | CAGGTGCACC | ACCACGCCTG | GCTAATTTGT | GCATTTTTAG | 13920 |
| TAGAGATGGG | GTTTCGCCAT | GTTGGCCAAA | CTGGTCTCGA | ACTCAGGTGA | TCCACCTCGG | 13980 |
| CCTCCCAAAG | TGATGAGATT | ACAGGCGTGA | GCCACCGTGC | CCAGAAAAGA | CTATCTTATT | 14040 |
| TTATGAATTT | AAATAATTGT | GAAATTATCC | ACTTAAGGGA | ATTAATAAAT | TATAATGTAA | 14100 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|-------|
| TCTTAAATTT | TAGTTGGCTT | ACATAAAGAC | TTAAAATACA | TCAATTTAAA | TAAAAACTCA | 14160 |
| TTTGTCTAAA | AAAAAATCAA | AAATTTTCCT | TGTGCTTTAA | ATGTGCTACC | TCTTTAAGTT | 14220 |
| CTAATTAAGA | GAAAAAAGT | TTAACTGTGA | GTTTCATTAG | TGGTCTTAGT | TAACAGCTTA | 14280 |
| AAGTATTTTG | TAAAAAAAAT | ACTTCACAAT | TTTTAAATAA | CTTAAAAATA | TTAATACCTC | 14340 |
| TTTTATTAGG | TTTTTTTAAAT | AAGGAAAATA | TATAATACAT | CTAATCAAGA | TTATTTTTTG | 14400 |
| GACAAATTGG | CTTAATAATT | TCATTTTAAA | AATGGCTTCT | TTATTCTTAT | ACTGTAAAAA | 14460 |
| TAATATTAGC | AGAATATTAT | AGTATACACA | AGTTTAGGGT | TCATATTCTA | AAAAACAAAA | 14520 |
| ACAAAAGCTA | ATTTAACTTG | CATTTACTAA | ATTTCTTCCA | CTAGTTGTAC | TGGTTACATG | 14580 |
| AGTTAACATC | ACTTTATTTA | TTATTCTAAA | ATTGTAAATT | ATTCATTGAA | CCAAATTAAA | 14640 |
| TGATAATAGA | TAATGTCATT | TTTAAAAATG | GAATTAAATT | TTATGTTACT | AATTATAAGG | 14700 |
| ATTCAATGTG | TGAGCTTAAG | TACTGAGTTC | ACAGTGTATG | ATAACTTTAA | GAATTTAGGT | 14760 |
| GAATATTATT | AAATTGAGTA | AATTAATTCT | CAATCTTTGG | ATACCTGGAC | AATTTCTAAA | 14820 |
| TTGGAGGGTA | CAAAATACAA | ATCACAAGAA | ACAGTGTAGT | TTTATGCAAA | TAACATTTTT | 14880 |
| ACACAGTTTA | GAATAACCAT | TGATAAACAG | ATAAGAGAAC | ATATGATTGC | CTTAGAATAG | 14940 |
| ATACTGTTGC | TTTCGCCACT | TTAGATTTGT | AAATCATGTA | CTGTATACGT | GTGGGCGTAG | 15000 |
| AGGACCATGC | AGGTTTTGGA | TGACTGCCCT | TGTTTTCGTC | ATGCCTATGC | GGGAACACAA | 15060 |
| TTGCCTGCTT | TGTTTAAGGG | CTATGGTTAA | TCCAAACAGC | TCTGACTCTA | TCAAGTACTA | 15120 |
| TAGCTACAGA | GAAACACAAG | TAAGCATTCG | AGATAATGAC | TACCTTGAGC | CTTTACTTAT | 15180 |
| TTAAAAAGTT | GTTACTGTTT | GTTAATGTGG | TACATTCAAT | TTACTATGGA | TTGTCACTCT | 15240 |
| AAAATAAGAC | TTCAATCTTT | TTCTTATTTT | TATATAGCCA | TGATTTATAT | TCATATCTTA | 15300 |
| ATGTAATAAC | CAATCTTCTC | TGACAACATT | ATAACAATGC | TGGAACCTCC | ATTTTCAGTA | 15360 |
| CTTCAAACAA | CAAATACTGC | TTTTATACTT | CAGAGCAGAT | GGATATGTGC | TTCCCAGTGT | 15420 |
| AAACACATTT | GGAATCTCAC | TGAGAAATAC | ACTATCACTA | AAAATACAGT | TCTGAGATTC | 15480 |
| ATTTAAAGAC | CTCCAGAATT | CTGGAAGTAG | GAAGTTTCCT | CTTCAAAGTC | TACAGAGGAA | 15540 |
| GACGAGGTCT | GAAATAGACA | GCTTCTTCCT | TCTTTTACCT | GTGGTATTAT | TCTGTTTTGT | 15600 |
| CCTTTTCTCC | ATTATCTGTC | TTCCAGTGA | TGAAATTTTG | ATCTGGCCCT | CCCAAGTATT | 15660 |
| AAAAACAAG | CAAATAACA | AATCTCAGTT | ATATTTTACT | AAGATATTGG | CATGCTAACT | 15720 |
| TTTTGCAGGT | TTGTAACAAG | GACCTTTATA | ACTTGACTAA | AAGTTCCTAA | ATAAGAATAT | 15780 |
| TTACTAGAAA | ATTTATTTCT | GCCTGTGGCC | CACATTTGAG | TCAAAATAAT | CAATTAGGAA | 15840 |
| AAATGAACTT | GTTTAACTAA | AGTTGGCCAA | ACTGATCTTT | GAGACCTATT | CATCTAAGAC | 15900 |
| AAGCCAATTA | AATTCTTGGA | GACAATTTGT | ACTTTAAGGA | ATTCTTATAA | TATTTGTAAT | 15960 |
| TACCCTCATA | ACTTTTTTTT | TGCCCTACTT | CTGTGCTTCT | CTAATATGCA | GATTATTAAA | 16020 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-------|
| TGTTGTTACA | AAGCCATTGT | CAAAAAACA | AAAAACAAAA | AACTAAACAA | ACTCACATGG | 16080 |
| TTAGACTTGC | TCCTTTATGA | GATATTTTTA | CCAAAAATGG | AGGAGTTGAA | AAACTCTGGT | 16140 |
| GCCAGAAATC | GTGAAGACAT | GGCCTACCTA | ACTTGGAAT | GTTGGTTGTC | AGTGGAAT | 16200 |
| ACTACACAGA | GATAGCCATA | GTGCTGCACA | GCCAATCTTA | AGTGTTTCTA | GAGAATCACT | 16260 |
| AATTGTTTCT | AGAGAATCAC | TAATTGTTTT | CTTTTAACAT | TCTTGGTTTA | TACAAGAAGA | 16320 |
| GAGTATCCAT | ACTAAACTCT | TTTCTACTGA | AAATAATGTG | CAAACATAAC | ATCCTATTCC | 16380 |
| TAGACAGTTT | GTAGTTTTTT | TCTCCCATTT | CTATTTTATA | AATCATCTTT | TTAAAATACT | 16440 |
| TTGTTGAGTG | AAATCAGTCC | ATTGCTTGAT | ATACCTTGAG | CACAAGTAAA | TAGTATGCCA | 16500 |
| AAAATTAAAT | GTCTTTCAGT | CACAGTTTGA | CAAACCAAC | TACCCTGAGC | CTATAGAGTG | 16560 |
| GTAATAATTG | CCCTACTCAT | AAAGATGGGG | TGAAGATTAA | ATGAAATAGC | ACCTATAGAA | 16620 |
| CACTAGTTCC | AGACGTGGTA | TCATGCTAGT | AAAATGGCTG | CACAGCACTG | CTCAATGATG | 16680 |
| ACAAAAAGTG | AAGCTTCTGG | AGACAGACTC | CAAGTTTGAC | TCCCAGATCA | CCACATATAA | 16740 |
| GATGTGGGAC | TCTGAGGCAG | GTCATTTAAT | CTCTCTGTGC | ATTAGTATCC | TTCTCTATAC | 16800 |
| CTTTACAGTG | ATGGTAATAG | CACCTACCTT | CTAGAAGTAT | GTGAAGATTA | AAGATCCTTA | 16860 |
| ATGCATATAA | ACCACTGTGT | TTACTGCTGT | TTGACAAATT | TTATTTATAA | CCATCTTTAC | 16920 |
| GCTCCTAAAA | GGACTTGAAG | CAGCTTATGA | CTGAAGACTT | TGGTAGGAGT | TGGCCTTCTA | 16980 |
| TAAATTATAA | GAATTCATA | AATTATTTGA | TATGAAAATG | CCAGTTGATC | ATAGTATGTT | 17040 |
| TACCGGGGTC | CAACAGGTTG | AGAAAAAATA | CACTTTTTTT | CCCTGAACAT | ATGAAATTAG | 17100 |
| CTCTCTAGGC | ATATTCCTAA | GGACTTAAAG | AATGATAACT | ATCATTTCTC | TTAAATCTTC | 17160 |
| CAGATTTGGA | AGGATATATA | TATTCAGCAC | ATTGACAGAC | AATCCCAGTA | GTCCTAAATT | 17220 |
| AAAAGACATT | AAAAATTAGT | GAACTTTTTC | CTACCTTTAG | CCTGTGTAAT | CCTGGATGAC | 17280 |
| CAAGCATAAA | ATTAAATTGA | GTAGAGTATA | CCACTGTAAC | ATTTCTGAA | AGGTATTCTA | 17340 |
| GGCTCTGAGT | AATTTCTTTG | GGGTCTGAAG | ATCAGTTTGA | CATATCCTCA | AGTATCATGA | 17400 |
| GTTCAATTATA | ATTAAGAAAA | AGGGAGTAAA | TCTGGAGAAT | GAGCCACTTT | CTTACTACTC | 17460 |
| CTTGACCTCA | GTTCTTTTTT | TCAGAGACAG | GGTCTCACTT | TGTTGCCAG | GCTGCCAGGC | 17520 |
| TGGAGTGTAG | TGGCGCAATC | GCATCTCATT | GTAACCTCCA | CCTTCTGGGC | TGAAGCCATC | 17580 |
| CTCCTGCCTC | AGCATCCTGA | GTATCTGGAA | CCACAGCAGG | TGCACACCAC | CATGCCAAGC | 17640 |
| TAATTTTTTA | AAAAGTTTTT | TGTAGAGATG | GGGTCTTACT | ATGTTGCCCA | GGCTGGTCTC | 17700 |
| AAACTCCTGG | GCTTAAGTGA | TCCTCCTGCC | TCAGCCTCCC | AAATTGTTGG | GATTACTAGT | 17760 |
| GTGAGTCACT | GTACCCCGCC | CCACTTCAGT | TCTGAGGAGG | AAAAAATATG | TAATAATAAT | 17820 |
| GGGACTTTGG | TTTGCTGATT | TAAAGATTCA | TGTAACCTTA | TCATCCAATG | CGCAATTTGT | 17880 |
| AGAATAATTA | ATAGAGACAT | CTGGTCTCAT | GTTTCTACAG | TTGCTCATGC | CTTGATAGTA | 17940 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| GATCTCCTTG | CTGCTGGCTC | AGAAGGGTAA | AAGAGCAGAA | ATGATGGGGC | TTCTCTCATT | 18000 |
| CTATGAGGAA | ATAGACCTAT | GTAGAGGAGG | CTACCTGTGG | TAAAACCTTA | TCCTCATCAC | 18060 |
| TTAAAATTCT | AGGCTTATTC | TCTGACCATA | TCAAGTTTTC | AAATGGTAAA | AGAATTGGAT | 18120 |
| TCAAGAGAAA | TATGAATAAA | CTTTTGTTTT | CACTTTTCTC | CCTCCTCTCC | CCCCATTCTC | 18180 |
| CCTTCCTTTA | TTTTCTTGTC | CTTAGTTTTC | TTTTCACTTT | TTTGTCTACT | ATTATTTGCC | 18240 |
| CAAACCTAAC | TGTAGGCTAG | AACAAAAAAA | AATTGAAAAT | TAAAATGTGC | CCCTTTTGTT | 18300 |
| GTTAGACTTG | CTTAAACAAT | TGGGGTAATG | AACCTTGGAC | ACTAGATTTT | AAAACACACA | 18360 |
| CATTTGAGCT | TCAGTGCAC | GAAATAAATA | TATTTTTAAC | AATTAAAAAA | TAAAATTGCA | 18420 |
| TGTTTAAAAA | ATCTGCAGAG | AACAATACAC | GTTGTGAGAT | CTTGAATGGA | AGGAAAAC | 18480 |
| CTAGCCTCAA | GAGTGGATCA | AAGATGCTCA | GCAGGCAACA | GAGTAAGAGC | ATGTTGGAGG | 18540 |
| GTTTAGAGAG | TGTGCTCAGG | GTTCTAGGCT | CTAAAAATCA | GACAGTCCCC | ACGGCCTGGC | 18600 |
| CTTCGTCGCT | GTATCTTCTT | TATGAAAAAC | ACTAAGTCTT | TTTCCTCACT | GGATAAATTT | 18660 |
| TTATCCTTCA | AGTTTAGATC | AAATGGAAC | TTAGGACACT | GACTAGGTTA | CATTCATCTT | 18720 |
| TTAAGAGCGT | ACAGACATTC | AAGGGCTAGA | GGATGTGGGT | TTACTGCACA | GGCTCATTAT | 18780 |
| CCAACAGCTG | TGCTACCTGG | GAAACTTAAC | CTCTCTGTGC | CTTAATTTCC | TCATCTATAA | 18840 |
| CGCAGGGAGA | ATGACAGTAG | GTATCTCATA | AGGTTGTTGG | AACAACTAAA | TGCATTGGTA | 18900 |
| TCTATTGTGT | AAAGTGCTTA | AAACACTGCC | TGGCACAGAG | CAAACATCCA | GTGAACTTTA | 18960 |
| GCCATCATCA | TTATCATTGT | TCTCAGAGTC | AAATACAATA | TCTCATATCT | GATAAATTAC | 19020 |
| AGAAGTGAAT | CAATCACTCT | CTCTCTTTTC | TCCAGGGGGA | GACAACAGCT | TTTAGACATA | 19080 |
| TCTTTTCCAA | CAGTCGTCAC | TGCTGGACAC | TGTTTCATCT | TGCAAATAAA | CCAATGAAAA | 19140 |
| TGAGTGATCC | TAGAAGAAGA | TAAATGGAGG | TATTTTGAAC | AATCAAAGAA | GGACAAATGA | 19200 |
| ACACCTGGCT | GAGAAAAATT | AGCTCTTTTT | TCTATGCATA | AAACTATTAA | AATATTCTTC | 19260 |
| ATAGAAATTT | ATGACACAGG | AAACATAAAG | ACAAAATTAA | AATAACTCCT | AGTATCTCCT | 19320 |
| ATTCTTTTTA | TATGTATATT | ATATATACTC | ATATTCATAT | ATACATATAT | CTCACATCAT | 19380 |
| GTATCATATA | TAAAATAAAT | TTAGGTGTCA | TGATATATAT | TTAGATAAAT | ATACTTAGAA | 19440 |
| ACTTTTTTAT | GGATGTATAA | TTTATGGATA | TATTGATAAT | TATGTATTTG | TTATTGACTA | 19500 |
| CTTCAATTGA | TTCCCATTTT | TATGCATTAT | ATTATAGATT | ATATAGCTCA | CACATCTTTG | 19560 |
| TACATAAATC | TTTGTTCAAA | TATTATTTCC | TAAGGATAGA | CTTCATGAAG | TGGAAATACT | 19620 |
| AAATCAAAAG | TGAAAAACAT | TTTCTAAGGT | TCTTAACATA | TACATTGCCA | AATTGCTATT | 19680 |
| CAGGATCATA | CCAATTTATA | ATCCCAAAAT | AATATGAAAA | TTCTGTTTT | ATAGCACTCA | 19740 |
| TATTTACAAT | AAATTTTAAA | AATCACTGTT | AACCTAATAG | TCCTTCAAAA | GAAAAAAA | 19800 |
| TTGAAATTAC | ATTATTTTAA | TGACTCTATT | AGTGAGGGTC | ATTCTTCCCA | TGTTTCTTGT | 19860 |

| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|-------|
| TAGCCATGAC | CCTATAAGAA | ATAAACTGCA | CTGCAAAATG | ATAAACATGA | TATCAATCAT | 19920 |
| TACATGGGAA | GGCACTATAT | AAAGAATAAT | ACCTTAGGTT | AAGGCCACAT | AAATATTTAT | 19980 |
| CAGGTGCCTT | TTCTGCGGAG | GACTCTGAAG | GGATACTAAA | CTGCATTTAG | CTGCATGCAA | 20040 |
| CTGAAATTAC | TTTTACCTAC | ATTGTCTCTT | ATAAACATTA | TAACACTCT | TTGAGAAAGT | 20100 |
| GTTTACTATG | GACTGAATTG | TCTCCCCATC | CCCCCAAATT | CATATATTGA | AGCCATAAAC | 20160 |
| CCCAATATGA | CTCTATTCCT | AGACAGGACT | TATAAGAGGT | AATTAAGGTT | AAATGAGGTC | 20220 |
| ATTAGGATGG | GTTCCCTAACT | GGATAGGATT | GGTGGCCTTA | TAAGAAGAGG | AAGATTCTGC | 20280 |
| ACTTGGTCTT | CCAAATTAAA | TAATTTATTT | AAAAGAAAAA | AAAAAAAAGA | GGAAGAGAGG | 20340 |
| GAGCTCTGCA | CATATACTGA | GGAAAGGCTA | TGTGAGCTCT | CACAGTGAGA | AGGTAGCACT | 20400 |
| CTACAAGCCA | GCAAGAGAGC | CCTCACCAGA | ATCCAGCCAT | GCTATACCCT | GCTCTGAGAC | 20460 |
| TTCCAGCCTC | CAGAACTGTG | ATAAAATTTT | GTTGTTTAAA | CCACACAATC | TATGGTATTT | 20520 |
| TTTTATGGCA | GCCCAAGCCA | ACAAAGACAG | CATCATTGCT | GTCACCTACA | GACAAGAAAA | 20580 |
| CTAAGACTAG | GAGAGAGAAA | AGTTAAACTT | GTCCAAGGTC | ACAAAAGCCA | GAAACAAGTG | 20640 |
| AGGTGAGAAG | TTGACCTTGT | TCTCCTCAAT | CCAAGGCCAG | GACTCCTCCA | CTCCACATGT | 20700 |
| AGATAGCCAC | CTCACAGTCA | ACAGCCAAAT | GTCCACACCC | CAGAGTCAGC | ATTAGACCAA | 20760 |
| GATGTCTTAC | CAGGAGACAA | ATGCCTCATC | TTGAATAAAAT | ATGTTCTAAC | AACTTACCCA | 20820 |
| TGTAAACAT | TGAATCTCAT | GAGAAACAAA | AATGCAAAGT | ATGTAGAAAA | CTATGTTTAC | 20880 |
| CACTTAACTG | ACAGTGATAA | AAAGCTTAAT | GATATCCTTA | TAGTCTTGGA | GGGGTTTGTA | 20940 |
| TATGTGGTGA | AACAGGTGCT | CACGCACTGC | TGATAGACTG | TAAATTGGTC | CTAGAGAGAA | 21000 |
| AAATAAATAA | ACTGGAAGGA | GTTATGCTGT | ATGTTTACTT | TTTTTATGGA | AACATATGAT | 21060 |
| ATACCTGGAA | ATTGATTGG | CCATGCATCT | ATTCTTTCAA | TGGGTATGCA | CAGTTGAGCT | 21120 |
| GTTCCCATGC | ACCAGGCACT | GTAATGGGAC | AACTGCACAT | GACAGTCAAA | AATCTCAGTC | 21180 |
| TCATGAAGTC | GACATGCTCA | TGGAGAGGTG | CTACCCACTA | AACTAATATT | TGTATATCAA | 21240 |
| TTATGGATAC | ATTGGGCCAC | ATTTACAGAA | ATTCACCTTAC | AGTGGGTTAC | CAGAAGGGAT | 21300 |
| TTTTTTTCTT | GATTGGCAAG | AAGGCTAGGC | TGTTTTGTGT | GGGGCTGGCA | GGAGCTGTCT | 21360 |
| AGGCTGCCCCA | AGTATGCAGG | TCTCTTCTAT | CATCCTGTGT | TAACCATCTT | CCATGTATCT | 21420 |
| TTCAACCTCA | TGGTCATCTG | CAGCATGTCT | AGGGGTCATA | TCTATGTTCC | ATGCAGGAAA | 21480 |
| AAAGGGTAAA | GGGAAAGGGA | AGTAGGCATG | TACCATTTTA | ATGCACACCT | TGGTTTTTCAG | 21540 |
| AAAATTTAAG | AAGAAAGACT | TTCTGCTTTT | CTCTGACTAT | TCTGTATTCT | GGATTACAAC | 21600 |
| GCAACAGAAA | CGTCACCTTA | AATTCTAATG | TTTTTCTCTC | CTTGCTTTCA | AAACTGACT | 21660 |
| CATTAACCTC | CACGTGGCTT | GGAAAAATTA | TTTCAGTCAT | CCAGTAATGA | GCTGTTTCATA | 21720 |
| GAAATGTTTT | GGACATCAAG | TCTGTGTTGT | TAGCATTATA | CATGTTAAGC | ATTGAATAAA | 21780 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| AAACAACATG | ATGTGGGTAC | ATTTCTTTAC | TTACATATAA | GTACTTATAT | ACTTATAGCT | 21840 |
| GAAAAGAGAG | GTTGAAATGT | CAGGTGGAAC | AGAAATAAGA | TTACCTAGAT | GTTTCTCCTA | 21900 |
| TGGGTGATTT | TCAGCTATGC | TGATCTTTCT | TCTGGGTCAG | GTACTCCCAG | AACTTCCTAA | 21960 |
| TTAAATGGTG | GCCCTGATCT | TAGTTCCTCT | CTCCTCTTAG | ACATTTTCCA | GGACTACAGA | 22020 |
| AGATGTGCAG | TTTATAAATG | AGTAGCAGAA | ACCTACTGAA | CAAATTATTC | AGGCTCATCT | 22080 |
| GAACAGAGAG | GACACCTTCT | CTGCTATACT | CTCTCAGTGA | TTTCCCTGCC | TTGGGGTCAA | 22140 |
| TTATTGTCTT | GGACATTGAT | TTAAGCACAT | AATAATTGTT | GTCATTGCTT | ATGTTTGGAT | 22200 |
| TTCATCTCCC | AAAATAGATG | GTAAATTCTT | TAGTTTAGAG | ACCAAGTAAT | ACTTACAAAA | 22260 |
| AAATTTTGTG | TGTGTGTGTG | TGTTTTTCT | GTGTCTCTCA | GCCCTGTAAT | AGCATCGTAC | 22320 |
| TTACACTTGT | TAGATTTTTA | GAGACAACCT | TTACAAAACA | TGGAATTATC | TACATACCCT | 22380 |
| TTCTACAAAA | CAGACAAATT | AAATACTCAG | TAGTTGAACC | AAAAAAGCA | GTTCAAATAA | 22440 |
| AATACTTGAA | AATGAAGAAA | TCATTTGAAC | AGAGTTAAAG | TTAATCGTAA | AATAATGTCT | 22500 |
| GTAAAAATTA | TTGCCAATCA | AATATAAAGT | TCAAAAATAG | TGCTTGAAAA | AGGAAGAATC | 22560 |
| ATATGAAAAG | GGACTACTCA | TTTTAAAAAT | GTTAGATATC | AGGAAAAGCC | AAGAAGTGAG | 22620 |
| TATGGTAAGA | GTGCTGTCAA | GTGAAACCTT | GCTAATCTCA | CTGAACATGT | AAAAATCTGT | 22680 |
| AGATGCCTTT | ATTTTATTCA | CTCACACACA | TATGTAGAAA | GAGAAATATA | TGGTAAACAT | 22740 |
| TAAAAAAAC | AAATTAGAAT | GTAAAATTAA | TACTTTAAAA | AATGGGCTGT | ATACTTTTCT | 22800 |
| TATCACCGGA | GATAAGAATT | TATTATTTTT | AAAATAAAGT | TATTTTCTCT | GTGACTGTTT | 22860 |
| CCATGACTTT | GCTACTTAGA | AGTTAGAGAT | GCCAAAGTTT | ATCTAAGAAA | ATGTTTATGG | 22920 |
| AAATATTATT | TCAATAATGA | ATGTTTAGAA | GACTGAATTT | CCTGACTGGG | CACAGTGGCT | 22980 |
| CATGCCTGTA | ATCCCAGCAC | TTTGAGAGGC | TGAAGAAGGA | GGATCGCTTG | AGTCCGGGAG | 23040 |
| TTCAAGAGCA | TCCTGGGCAA | CACAGCGAGA | CCCTGCAGCA | AAGTAAAAAG | AAAAAAGAAT | 23100 |
| TGAAAAAGGA | AGACTGAATT | TCCTTTGGGC | AAGTCATGTG | ACATTCCTGT | GCCTCAGTTT | 23160 |
| CTTCATCTAT | AAAGTTAATT | CCTACATTTT | TGGGGAAGGG | AGAGAAAAAC | TTAGGATAGT | 23220 |
| GACTGGCACA | GAAGAAGCAC | TATATACTAT | ATATATGTGG | ATATCATTTG | TTTTTATGGT | 23280 |
| ACCATTTTAG | CTATCTAATG | CAAAATATGA | ATCTTTTTTT | TCTGGGTCTT | AAATTATGGA | 23340 |
| ATGTAAGAAT | TTTCTAAATT | CTCTAATTCT | GTGTTAGTTT | TAAAGCAATG | GAGTAACGTA | 23400 |
| TCTGTCAACT | TGTAAATATA | AGGATCAACC | TGATCCACAA | TTTGACCCCT | AGCCACTAAT | 23460 |
| ATTTAATAGT | ACAACACTCA | GAAATTATCA | AAGGTCAGAG | AAGCCAAACA | AATGTAAAAA | 23520 |
| CATACAGGTG | CTCAGAAAGA | TGCACCTGTA | ATCTCTCTAA | GGAGAAATAT | TTTCCAAACT | 23580 |
| GAGTGACACG | GTGCTTTAGT | GAGTTGTGGA | ATCAATCTCA | TGATTTCCAA | CCTAGTGTTT | 23640 |
| TTTTAAAAAT | GAAGTAGTCC | ACAGTAGAAT | ATACTAAAGT | GCTGGTGCTT | AAGATAGTAT | 23700 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-------|
| TGTTTTCTGG | AAAAAAAAAA | AAAATTTTTT | TTTTTTGAGA | CAGGGTCTCG | CTCTTGCCCA | 23760 |
| GGCTGAAGTG | CAGTGGCACA | ATCATGCTCA | CTGCAGCCTT | GACCTCCTGG | GCCCAAGTGA | 23820 |
| TTCTCCCACC | TCAGCCTTTT | GAGTAACTGG | GACCACAGGT | ACGTGCCACC | ACACCCGGGT | 23880 |
| AATTTTTTAA | TTGTAGAGAC | AGGGTCTTGC | TATGTGCTTA | GGCTGGCCTT | GTGAACTCCT | 23940 |
| GGGCTCTAGT | GATCCACTAG | CCTCAGCCTC | CCAAATTTAT | GGGATTATAG | GCATGAGCCA | 24000 |
| CCCTACCTGG | CCTGTTCCCT | GAATTTTTTT | TTCTTTTCAGG | TGTTTGTGCA | TATGTGTGTG | 24060 |
| TGTATGGGTA | TAACAGAGAG | ACAGAGAGAA | AGAACTTTT | CTATCACACT | TTGCAATCAG | 24120 |
| AAGTTTGAAG | TCTTATCTTT | TGGCTTTTGT | TTCAGAAATA | TTTCAAATGT | AGACTCTCTC | 24180 |
| CTTTACCACA | CTGTCCCCTT | AGGCAAGGTC | TTTGCCATTC | TTCTGAGACT | ATTGCAACAG | 24240 |
| ACTCCCAACT | TCTGACTGTG | GGCCCTTCTC | AAAAATGATT | GTTTATGCAA | TAAATCTAAA | 24300 |
| CCCAAGACAA | CTACAACAAT | ACAACAAATT | CTCTGCTTAA | AAACTTCCAA | TGTCTGCCGG | 24360 |
| GCGCGGCGGC | TCACGCATGT | ATTCCCAGCA | CTTTGGAGGC | AGAGGCGGGC | AGATCACTTG | 24420 |
| AGGTGGGGAG | TTCGAGACTA | GCCTGGCCAA | CATGATGAAA | CCCCATCTCT | ACTAAAAATA | 24480 |
| CAAAAAATTA | GCCAGGCATG | GTGGTGGGCG | CCTATAATCC | CAGCTAATTG | GGAGGCTGAG | 24540 |
| GCAGGAGAAT | TGCCTGAACC | TGGGAGGTGG | AGGTTGCACT | GAGCCAAGAT | CACACCATTG | 24600 |
| CACTCCAGCC | TGGGCAACAA | GAGCAAACT | CTGTCTCAAA | CCAAACCAA | ACAAAACCTT | 24660 |
| TAATATCTAC | CAAATGTTTC | ACACAAGTAT | TTGGGGATCT | TCACAAATGG | CCCTTATGGA | 24720 |
| GTTTTCTTTT | GCTGAGACCC | TATGCTCTGG | CCACACTAAA | CTCATTCAGC | ATCCCAGAAA | 24780 |
| GGCCTCAGCC | TTTGTGAGCA | AGCTCTTATC | TCCAGGCCTC | TCACAAAGAC | CTGTTCCAGT | 24840 |
| AGAAGCTCAG | GGGAGCACAC | TGGACATTAT | TCCAACAACC | CTTTCCCCAC | AGCTATGCAG | 24900 |
| CCAAATCTGC | CAGCTCAGTT | AATTAATTAA | GCAATTCAGA | GATGAGGGTC | TGCCCAGGCT | 24960 |
| GGAGTGCAGT | AGCTGCGACC | TCAAGCTCCT | GGGCTCTAAG | TGATCCTCTT | CAGTCTACCC | 25020 |
| AGAAGCTGGG | ACTGCAGGCA | TGTGCCACCA | CACCCAGCTA | ATTTTTTTTT | TTTTCAGTAG | 25080 |
| GGACCAGGCC | AACCTAGTCT | TGAACTCCTG | GCCTCCAGCC | TTCCGAAGTG | CTGTAATTAC | 25140 |
| AGGCATGAAT | CACTGCGCCC | AGCCAACCCG | CCCAGTCTTG | TTAGACATGG | GGTCTGTAGT | 25200 |
| TTCTAGTAGG | TTCTTGAGTC | TAGGGTTCCT | ACCTCATGTT | TTATAGTTAA | TTTAGGGGAG | 25260 |
| GGACTGTGTC | TGTTTATCTG | GGGATGTAGG | GGTGGGCAGG | GGGATAGAGG | GGACTTCAAT | 25320 |
| TAATGAAACC | AGAAGCAAAA | CTCAGTTGAG | GACACCGGTC | ATGAGAGTGG | CCTGATTATG | 25380 |
| GCCAATCTTA | CATAATGTGT | GAGATCTTGA | TATTACCCCA | TCCTTGAGAG | TCCTCTATAA | 25440 |
| AGCTACAGGG | ACTTGGGAGC | ACCTTTAATT | ACAGACAACC | CATGTTCTTG | TGGATTATGA | 25500 |
| TTTATTAGAT | TGCACATGCC | TAAATAAAGA | CATCCTCTGC | AGTCTTTTGA | CAATTCTATA | 25560 |
| AGCATCTTCT | GACTCCGCAA | TTAGACAGCT | AAGAGATCTG | TGTTACTTCC | CTCACATATA | 25620 |

| | | | | | | |
|------------|------------|-------------|-------------|------------|-------------|-------|
| TAAATAATTT | TAAATAAAAA | TCATGGCGTG | AATAATTTCT | TTCCTCTACC | GATTTGAAGC | 25680 |
| TATCCATTTG | GAAGACCACT | CTGAAGAGAT | GAAATAAGTC | TTCTGCCAAA | GATTACTTAT | 25740 |
| TAATTTACAA | GGAAAAGGGG | AAGTTTTGTT | CCTCTCCGTG | AATTTGATTG | AAAATCGAGG | 25800 |
| GCTTTCTCGA | ATAGTTTTGG | CATCCAGGGT | CATTTTTCAT | TAAAAAGAGA | AAAGTCATGT | 25860 |
| CAAATATGAA | TTTCCGCAGA | TTATTCAGCA | CTAGACCCTG | GGAGATTCTG | TAAAGAGGGG | 25920 |
| TTTTGTTATA | CTCAACTTTT | CCGGGTAAAA | CAAACACAAA | TACTCCTCCT | CCAAGGGGCG | 25980 |
| GGGGCGGTGC | CTAGGTGATG | CACCAATCAC | AGCGCGCCCT | ACCCTATATA | AGGCCCCGAG | 26040 |
| GCCGCCCGGG | TGTTTCATGC | TTTTCGCTGG | TTATTACATC | TTGCGTTTCT | CTGTTGTTAT | 26100 |
| GTCTGAAACC | GTGCCTGCAG | CTTCTGCCAG | TGCTGGTCTA | GCCGCTATGG | AGAAACTTCC | 26160 |
| AACCAAGAAG | CGAGGGAGGA | AGCCGGCTGG | CTTGATAAGT | GCAAGTCGCA | AAGTGCCGAA | 26220 |
| CCTCTCTGTG | TCCAAGTTGA | TCACCGAGGC | CCTTTCAGTG | TCACAGGAAC | GAGTAGGTAT | 26280 |
| GTCTTTGGTT | GCGCTCAAGA | AGGCATTGGC | CGCTGCTGGC | TACGACGTAG | AGAAGAATAA | 26340 |
| CAGCCGCATC | AAACTGTCCC | TCAAGAGCTT | AGTGAACAAG | GGAATCCTGG | TGCAAACCAG | 26400 |
| GGGTACTGGT | GCTTCCGGTT | CCTTTAAGCT | TAGTAAGAAG | GTGATTCTTA | AATCTACCAG | 26460 |
| AAGCAAGGCT | AAAAAGTCAG | TTTCTGCCAA | GACCAAGAAG | CTGGTTTTAT | CCAGGGACTC | 26520 |
| CAAGTCACCA | AAGACTGCTA | AAACCAATAA | GAGAGCCAAAG | AAGCCGAGAG | CGACAACTCC | 26580 |
| TAAAACTGTT | AGGAGCGGGA | GAAAGGCTAA | AGGAGCCAAG | GGTAAGCAAA | AGCAGAAGAG | 26640 |
| CCCAGTGAAG | GCAAGGGCTT | CGAAGTCAAA | ATTGACCCAA | CATCATGAAG | TTAATGTTAG | 26700 |
| AAAGGCCACA | TCTAAGAAGT | AAAGAGCTTT | CCGGGAGGCC | AATTTGAAAA | GAACCCAAAG | 26760 |
| GCTCTTTTAA | GAGCCACCCA | CATTATTTTA | AGATGGCGTA | ACACTGGAAA | CAAGTTTCTG | 26820 |
| TGACAGTTAT | CTATAGGTTT | AAGTTGTGAT | GCAGCTGAGT | TGAAAAGGCT | TGAGATTGGA | 26880 |
| GAATTAATTC | AGGCCAGGCT | TCAAGACCAT | CCTGGGCAAC | ATAGCCAGAC | TACCATCTAT | 26940 |
| ACCAGGGGTC | CTCATTCCCC | CGGCCACCGA | CCGGTAACCG | GTCCCTGTCC | ATGGCACGTT | 27000 |
| ATGAATTGAG | CCGCACAGCT | GAGGGGTGAG | CGAACATTAA | CCAACTGAGC | TCCACCGCCT | 27060 |
| GTCAGGTTAG | CTGCAGCATT | AGATAGATTC | TCATAAGCTC | AAACTGTATT | GTGAATGGCA | 27120 |
| CATGCAAGGG | ATCTAGGTTT | CAGGCTCCTT | GTGACAATCT | AATGCCTGAT | GATCTGAGGT | 27180 |
| TGGAGCAGTT | TTAGTCCGGA | AATCATTGCT | CCCAGCCCCCT | GCACCCCTG | GTCCGTGGTA | 27240 |
| TAATTGTCTT | ACACAAAACG | GTCTCTTGTTG | TCAAAAAGGT | TGGAGACTAC | TGGTTTTTACA | 27300 |
| AAAAAGTAAA | TTAGTCAAGC | ATGGTTGGCA | CGCTCCCTTA | GTCCCTGCAC | CCAGGCGTTT | 27360 |
| AAGGATACAG | TGAGCTATGA | TGGTGCTACC | TCACTCCAGC | CTGGGTGACA | GCGAGTCAGA | 27420 |
| CGTTGTCTCA | AAACTTAAAA | AAAAAAAAAG | TTAAAACAGA | AAAAGGGCTT | CTTGTCAGAG | 27480 |
| ACTGCCGTAT | ATCTAGAGGT | CCAGGAACTA | AAAAGTCTGA | TGTCCAATCC | TGAAAAGCTC | 27540 |

| | | | | | | |
|------------|-------------|-------------|------------|-------------|------------|-------|
| GATGGTGAC | TAGAGGAGGC | TTTTACATGT | AAGAGCATCT | AAGTTCTGGA | AATGCCAGTG | 27600 |
| TCAGGGAAGG | GAAGTGGAGA | GCAATTTGGC | ATCCAAACAT | AACTTGCTGA | TACTTTTTTT | 27660 |
| TTTTTTAACA | CAAGTACTAC | ATTCTAGTCT | TTCTGTGGTG | TCATTGTAAAC | TATTGTTTCT | 27720 |
| TAATATGCTA | TCCACTGACT | TCAAGGGATC | AATAAATAGG | AATCAAGGTG | TCCCAGAATA | 27780 |
| TGGATTAGGG | GAGTTTTTTT | TTTGTGTGTG | TTGTGTGTGT | TTTCATCTAT | TCATTATCCT | 27840 |
| GTAGCTGAAA | TTTAGAATTT | TCTTCCATTG | TGTGTGACTG | ATAGAAATAA | CAAATTTGTA | 27900 |
| GGTTATAGTT | GTTGCAAGAA | TCTGGAAATC | GTGCTTGCTT | ATTTCCGAAG | TACTATTAGG | 27960 |
| TATATCAACA | AAAACACACA | TATTACGGTC | AAGTGGTTTG | ATAATTATTT | TAATATTATT | 28020 |
| GGTCTAATAC | AATTGTAACC | CTATGAATTA | CTTTAAGTAT | CTTATTTATG | AAAAGAATCT | 28080 |
| GTAAGTTTCA | TCAAACCTACC | AGAGCATACC | GAAGACTGAA | AAATTTTAAG | AATCCAAACC | 28140 |
| TTAATGGAAA | TGTTGGAGGC | TGCCCAATTA | GGTTCGAAT | TCCACCTTCC | TGAATCACAA | 28200 |
| ACTTGTTTTA | ACTCTCAGTC | TGAGGTAAAC | TACGTTTCTC | TTTAAACAGA | CATAGTTTAA | 28260 |
| TTTTCTTTTG | ATTTTTGATT | TAGTATTCTT | ACTGATCATC | ATAAATAACC | AATGCTAATG | 28320 |
| TTAGTCTACT | TTGGACCATG | GTATTTTCGAG | AAACTTTGAA | CAAAGTCCCC | TGCAAAACTA | 28380 |
| TGCATTGCAT | TATTTACAT | ACATTTATGT | TTTCCAGACG | GTTCAATAGT | ACCTCACTTT | 28440 |
| TCTGAACTTA | TTTGTATAGT | TTGGCATCTT | TTTAAAAATT | GTGTCTCTATA | ATGAAAGGTT | 28500 |
| GTAACATTA | TGTTTTAAAT | TTGTATAGAT | AAAATCAACC | ACAGACCTTT | CCTTGCTTGG | 28560 |
| ATGTAATTGC | CATTGTTTCC | CAATGAGTTC | GGAATTACTA | GGATTGTGCA | AAAATATGCC | 28620 |
| TCACCTGCCT | GACATAGCAG | AGAGCCATTT | TGCCTAAATG | CTGTGCCCAG | CAATGGACTG | 28680 |
| TCACCAGATT | CTCATCACAT | ACAGTGAGGA | TGAACAACTA | GCCTCTCCCA | GCAGCTGGCC | 28740 |
| GGTCTCTCAA | TAATATGGGA | CTCCCTCAAG | ATGGCTTCCT | GCACCTTTGC | TCCTCTAGCC | 28800 |
| TTGTATGTAT | ACAAGGCTAG | CATGCCTGGC | ATACATAAGG | TTAAAAACAA | AATCAATAAG | 28860 |
| TTATGGTTCT | TCCTCCAGTT | CTGGGGATTA | TTAGACCACT | TTTTTGTTTT | GTTTTGTTTT | 28920 |
| GGATGGAGCC | TCGCTCTGTC | ACCCAGGCTA | GAGTGCAGTG | GCACAATCTC | GGTTCACTGC | 28980 |
| AACCTCTGCC | TCCTGGGTTC | AAGCAGTTCT | CTGGCTCAGC | CTCCACGTA | GCTGGGATTA | 29040 |
| CAGGTGCCCC | CCACCACGCC | CAGCTAATTT | TTGTATTTTT | AGTAGACGGG | GTTTCACCAT | 29100 |
| CTTGCCAGG | CTGGTCTTGA | ACGCCAGACC | TCGTGATCCA | CCCACCTTGG | CCTACCAAAC | 29160 |
| TGCTGGGAAT | ACAGGCGTGA | GCCACCGCGC | CCGACTTAG | ACCACTTTGT | TTTGGCCAAT | 29220 |
| AGGACAACAG | CCATAGAACC | CTCCGCAAAT | GAGAGCTTGT | CCCTAAAGAT | GCTTTATTTA | 29280 |
| CATAGCTGTG | TGCCGCATGA | GCCAAAAGGT | GATAACCTTT | GTTCAACACG | CGCCTCCAGC | 29340 |
| CCTTCGGTTA | AGTCCAAAGT | ACCATTCTTA | GAATGCTCTA | AAATACATAA | TTTTTTTTTT | 29400 |
| TTTTTTTTTT | TTTTTGAGGA | GTCTCTCTCT | GTCTCCAGG | CTGGAGGGGA | GTGGCGCGAT | 29460 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-------|
| CTCGGCTCAC | TGCAATCTCT | GCTTCCGGGC | TAGCTGGGCC | TACAGGTGCA | GACCACCACG | 29520 |
| CCCGGCTAAG | TTTTGTATTT | TTTTTGGTAG | AGGGGGTTTC | ACCATTTTGG | CCAGGCTGGT | 29580 |
| CTCGGATTCT | TGATCTCAAG | TGATACACTA | GCTTTGGCCT | CCCAAAGTGC | TGGGATTACA | 29640 |
| GTCGTGAGCC | ACTGCGCCCA | GCAAAATGCT | TTTTGTGGAG | CCAATCACTT | TATTAGCGCT | 29700 |
| TACCTCTCTA | TGCCTACTTT | ATGCTTTGAA | ATTTTGTAC | AGTGGGGCCG | GTCATGGCAA | 29760 |
| ACACAATTCA | TTCTTATGCA | GGCTGTCACG | GTTATTTCTG | TCATCCAAAC | TCATTCTCGC | 29820 |
| AACGCATTTT | AGCTCTTTAA | ACGACTTTGT | GAGCGGCCCT | GAAAAGGGCC | TTTGGGTTTT | 29880 |
| TTTGTTTTTG | TTTTTTGAAG | TTCTCAGGAG | ACCGCGTATT | CTTAGATTCA | GCCGCCGAAG | 29940 |
| CCATACAGAG | TGCGCCCCTG | ACGTTTCAGG | GCATATACTA | CATCCATGGC | TGTGACAGTT | 30000 |
| TTGCGCTTGG | CGTGCTCCGT | ATAGGTGACG | GCGTCTCGAA | TAACGTTCTC | TAAGAAAACC | 30060 |
| TTAAGCACAC | CTCGAGTCTC | CTCATAGATA | AGACCGGAAA | TGCGCTTGAC | GCCACCGCGC | 30120 |
| CGAGCCAAAC | GGCGGATAGC | CGGTTTTGTA | ATGCCCTGGA | TGTTATCCCG | GAGCACCTTA | 30180 |
| CGATGGCGCT | TAGCACCACC | CTTCCCCAAG | CCTTTTCCGC | CTTTGCCGCG | ACCAGACATG | 30240 |
| ATTCTATATC | GAGTGAAGG | TATGAAGTGA | AACAGTTCCT | TAAATACAAA | CTTGGCGGAC | 30300 |
| CTGATTGAAA | ACAACATGAG | TTGGCGCGGT | TTTTTTTTTT | TTTCAAATTT | GGTCACCGAG | 30360 |
| TGGGTGGAGC | AAGAAAAACT | GTTTCATTAT | GGTTCATTGT | TTTGATTGGC | CAGTGACAGC | 30420 |
| TTGCTCTTTG | TGGGAGTGGA | AGGGTGTTTG | CAAGTTGAAT | GCGCTGTATT | CCTGTCAGCT | 30480 |
| TAATGACGCT | AAGCATAGCC | CCATTCCACA | TTCTTTTTTA | TTTCCACTTG | CTAACTAATA | 30540 |
| AATTACGGAA | TAGTTTATTG | GGGAACATAC | AAATAATGTT | TAAAGGAGGT | CAGATTTATA | 30600 |
| GGTCAAGGGA | TTTACCCTCC | CAATCATTTT | AATATTTTTA | TTTAAACCAG | GCATTTTGAT | 30660 |
| GGCCTTCTCT | GTGCTGGACA | AGGTATAAGT | TTGGCTATGA | AGTTTCACTC | CTAAAGACCC | 30720 |
| TATGTTTTTG | GAAGGCAAAA | AGGTAGCCAA | ATAATTGCAA | ATTAAACCT | CATAAGTGCA | 30780 |
| AACTTCTTCC | TCGTCACTTT | CCCTATCTCG | ATTCAAATAT | TTGTTGAATG | ACTCATTTTT | 30840 |
| CTGCAAAAGT | CTGAGAGAGA | CAGGGAATAT | AAACTTAAGT | CTGGATAATA | TGTTTTCCCG | 30900 |
| GGACGCTCTT | CCTGGTCTGC | TGTGCCTGTT | TGCTGTGCCT | GAAATTCCAA | ACACTCTTCC | 30960 |
| CTTCCCTCCG | TTTTTAATCC | CCTTCAACT | TGCTACAGCT | TTAGAGAAAA | GAACATACGT | 31020 |
| TTTGTTACAGT | TGGGGATTAA | TTGAAGTGTA | GGGCTAATAC | TTGATTAAGG | TCATTACAAA | 31080 |
| ATCTACAGGG | TCTTCTCTG | GGAGGTTTTT | GTGATAAGAT | TATTGGTGTT | AAAATAAGGC | 31140 |
| TAATCCCCTT | GAAAAATAAA | TAGAATAGCA | GAATTGGGTC | TGAATGTGGT | TTGAAGAAAG | 31200 |
| GGACTTCTCA | ATTCAAAATT | TTATTCTTAG | CTTCTGTGG | GAGCTTTCCA | GAATGCCCAT | 31260 |
| AAGATCCACT | TTTGTTTAAA | AAACAAAAAC | AACCCACCCC | ACCACTCTCT | GGTTAATAAA | 31320 |
| TGAATTTCTA | TTGGGAATAT | TTAGAATGGG | GCTGTGGCCT | GTGAGAGACA | TTATATAGTA | 31380 |

| | | | | | | |
|-------------|------------|------------|------------|------------|-------------|-------|
| ACCTCAGACT | TGCTCACATG | AAGAGAAGAA | ATCCAGGAAT | GGAGAAAAAA | GACCCAGGAA | 31440 |
| AGGCCAGAAAT | GCTCTACATG | TCATATTGTT | TGTATCACTT | CTGAAATAAT | TGATTACATT | 31500 |
| CTTCTGCCCC | AAATTGAGTT | CTTAGGTTCT | TCCACTCACT | GTCCACATGC | CACAACACAG | 31560 |
| ACCTTATAAC | TAGAGACTTA | GCTAGGAAGA | AATGTCAAAC | ATTACAGAGA | AAAAATGCAG | 31620 |
| AGTCTGAGAT | CATAAGTAAA | ACTCTGAAAT | CTCAACATGC | CTTTTAATTC | ATGAAAATAA | 31680 |
| AAAATATAGC | AGCATATGCA | ATATGATAAT | TCTCTGAAAA | CATACATCAT | GTGAACTACC | 31740 |
| CTGGAACACA | TCTCGCCAAG | TGCCATCTTC | ATTTTAACCA | GAGGTCTAGG | ATGCCTTTCC | 31800 |
| TTTATTTTGC | CTATTATATC | ATTTATAAAA | CCCCATTTTT | ATTTTGATAT | TTTATTTACT | 31860 |
| TTCTATTTCC | TGCTCCTAAT | ATCTCCTTTC | TAACTTTTTC | TCAATGACAG | TGACTCAAAA | 31920 |
| ACAATGAATG | TCAGAACAAA | TATTTAAAGG | ATCTGTACAT | GTAGATATAT | ATATTTAAAA | 31980 |
| TGGATTCTTC | CACTCTGGGA | AGAATTCAGG | CATACTCAAT | CTTATGGTTA | GGGAGAGATT | 32040 |
| AGGCTCACTC | GCCTAATCTG | TATGGCTTCT | CGTTCGCTTT | CCATTTCACC | TTCTCTCAC | 32100 |
| CCATCAGATC | AAACTCATTC | ATTGAACAAG | AGACCTAAGC | CCTTCAGATT | AAAACCTCTGC | 32160 |
| AAACAAGTTG | TGGTTGAGAG | GATACATGAA | GCATTCAAAC | AAATAAATCT | ATGATATTAA | 32220 |
| TCAGAGGTTA | ATCTATGATA | TTAATCAGAG | GTTAATGCAG | TGGCTCACGG | CTGTAATCCC | 32280 |
| AGCACTTCAG | GAGGCTGAGT | TGGGAGAATC | GCTTGAGCTC | AGGAGTTCAA | GACCATTTTG | 32340 |
| GGCAACATAG | CAAGTCTTCA | TCTCTACTTA | AAAAAAAATA | ACCAGAGGTG | TTATGAAAAT | 32400 |
| ATAAATTGTC | CAGAACTACC | CTCCACAAAC | TAACTCTCTC | AGAATATTCG | ATATGAGGAA | 32460 |
| TGAAATATGG | TGTGTGTGTG | TGTGTGTGTG | TATGTGTGTG | TGTGTGTGTG | TGTATGCACC | 32520 |
| TATATATGGC | ACCTATATAT | TCAACAAACA | ATTCTGATAA | TTGGCCAGGG | TTGAGAATGA | 32580 |
| CTAGCAGCCC | AGCATACACT | ATCAGTTTTA | AGTATATAAT | TGCGCTTTAG | TAAAATGTAA | 32640 |
| AGAAATCCCA | GAGTAGAAAT | ACTTTTAAGC | TATATTACAG | GTGAGAAAAT | GCATAAGTAT | 32700 |
| AGTCTCACCC | AACTTAGACT | ATGGGGGCTT | TATAATGTCA | CAACAGTTGT | TTCCAGGCAT | 32760 |
| TTGGGGACAT | CACCACTGGT | CTTGGGCAAG | AAACTCCTCT | AGCCAATGGC | TGATTTATCT | 32820 |
| CACTCCCATC | TAAGGCTTCA | CTGCATTTCT | CTTTTTCAGC | AACCTAACTT | ATTTAAAAAT | 32880 |
| ATCCATTTTC | TGATTCATTT | TTTTCTGAAT | TAACTGTCA | GTACCATTGG | CACACCTTTG | 32940 |
| GTTCCGTAGC | ATACCTGTGT | CTCTGCTGTG | GTTTTTTTTA | CCTCCACTCC | TTACTTTTCT | 33000 |
| AGAAAAAAT | CTCTGCTTTT | TCTTTTCAGT | TTAAATTATT | TCACAAAAAG | TTTTCTTGAC | 33060 |
| TTGCACTTCC | TAGGCTTGCT | GTCCTTGTGT | GGGCACGCTC | CCATAAACAC | TATTAATACA | 33120 |
| CTTCGATTTG | TTAAAAATAA | AGATATCTGG | ACAGAAAATT | TCTTTTCTTT | TTTTAAGATT | 33180 |
| TTAAAATTTT | TAATGTTTAT | TTTTTTCCTA | GACTGGAGTA | CAGTGGCACC | ATGATGGCTC | 33240 |
| ATGGTAGCCT | AACTTCCCC | GGGCTCAAGT | GATCCTCCCA | CCTCAGCCTC | CCAAGTAGCT | 33300 |

| | | | | | | |
|------------|------------|-------------|------------|-------------|-------------|-------|
| GGGACTACAG | GTGTGCACAA | CCACACCTGA | CTAATTTTGT | TTATTTGTTT | GTTTTGTTTT | 33360 |
| TTGAGATGGA | GTTTCGCTCT | TGTTGCCCAG | GCTGGAGTGC | AATGGCGGGA | TCTCGGCTCA | 33420 |
| CCGCAACCTC | TACCTCCCAG | GTTCAAGCAA | TTCTCCTGCC | TCAGCCTCCC | GAGTAGCTGG | 33480 |
| GATTACAGGC | ATGCATCACC | ACGCCCAGCT | AATTTTGTAT | TTTATAGTAGA | GACGGGGTTT | 33540 |
| CTCCATGTTG | AGGCTGGTCT | GGAACCTCCTG | ACCTCAGGTG | ATCTGCCCCG | CTCGGCCTCC | 33600 |
| CAAAGTGCTG | GGATTACAGG | CGTGAGCCAC | CACGCTCGGC | CACTAATTTT | GTATATTTTG | 33660 |
| TAGAGATGGG | CTTTCCTGT | GTTGTCCAGG | CTGGTCTTGA | ATTCCTGGGC | TTAAGTGATC | 33720 |
| TGCCCACCTT | GTCCTCCCAA | AATGCTAGGA | TTACTGGCGT | GAGCCACCAG | GTCTGGCTGG | 33780 |
| AAAGATAATT | TCTAACATTA | TCCTCTCTTA | AACATTTGTT | TCAAAAATTT | TACAAACATG | 33840 |
| AGAGTAATTA | AATTTGATTT | TCAAAATTCC | CTTGAATACT | TTCTTAATAG | CACACAGAAA | 33900 |
| GCACAAAGTA | TTTTACATTT | GTTTTAATGA | TGAAATTGTG | AACCCAAACT | TACACAAAGA | 33960 |
| AAAACCGTAA | CATTATACCC | ATACTTAAAA | CAGATGCCCT | CATATACATA | GTAAAACTCT | 34020 |
| TGGGGGCAGT | AGTGAAGTTG | GTTATTTACT | GTTTTATGAA | AGTGCCATTC | AGCCGGGTGC | 34080 |
| AGTGGCTCAT | GACTGTAATC | CCAGCACTTT | GGGAGGTCGA | GGCAGGCTGA | TCACGAGGTC | 34140 |
| AGGAGTTCAA | GACCAGCCTG | ACCAAAATGA | TGAAACCCTG | TCTCTACTAA | AAATACAAAC | 34200 |
| ATTAGCTGGG | CGTGGTGGTG | TGTGCCTGTA | GTCCCAGCTA | CTCAGGAGGC | TGGGGCAGGA | 34260 |
| GAATCGCTTG | AACCTGGGAG | GCGGAGATTG | CAGTGAGCCG | AGATCGCACC | ACCGCACTCC | 34320 |
| AGCCTGGGAG | ACAGGGCGAG | CTCCGTCTCG | AAAAAAAAAA | ACAAAAAAGT | GCCGTCATAG | 34380 |
| TGACTTAGTT | TTAAGGAATA | AATCAAGGAT | ATTTAACTCA | ATAGACTACA | GTTAGCTAAC | 34440 |
| GTGACTTGCA | CTGAAAGTTA | TACGAATATT | GGTACTTATT | CCCCTGCCCC | TGAAGTATGA | 34500 |
| ATTAAAGACT | CCAAAATTCT | TTTTAGAATC | TTCAGAGTAA | AAGCTAGAAT | TTGATTTTTT | 34560 |
| TAAATAATAA | AAAAATACTT | TGTATCTAAA | TCTGGTGTAT | AAAATAACTT | GGTGGATGAT | 34620 |
| GCTTCAAGGC | TATCCATCCC | CAAATTTCTC | CCTGAATGAT | AAAGAGAATA | AATGAATATG | 34680 |
| TCAATTCAAA | AGTTAGAAAT | TTGGCCGGGC | ACGGTGGCTC | ACTCCTGATA | ATCCTTTTCGG | 34740 |
| ACGCTGAGGT | GGGTGGATCG | CATGAGCTCC | GGAGTTCAAG | ACCAACCTGG | GCAACATAGC | 34800 |
| CAGAACCCGT | TTCAATAAAT | AATAGAAAAA | AATGAGCCAG | GCGTGGTGGT | CCCAGCTACT | 34860 |
| CAGTAGGCTG | AGGTGGGAGG | ATCACTTGAG | CTCAGGAGGT | CGAGACTGCA | GTGAGCCGTG | 34920 |
| ATCGCAGTAC | TGCACACCAG | CCTTGGTGTC | AGACTGAGAC | CCTGTCTCAA | CAACAACAAA | 34980 |
| ACAAGTTAGA | AATTTGGCTG | GGCGCGGTAG | CTCACGCCTG | TAATCCCAGC | ACTTTGGGAG | 35040 |
| GCCAAAAGG | GCGGATCATT | TGAGGTCAGG | AGTTCGAGAC | CAGCCTGGCC | AACATGGTGA | 35100 |
| AACTCCATCT | CTACTAAAAA | TACAAAAAAA | CTTAGCCGTG | CATGGTGGCA | TGCGCCTGTA | 35160 |
| GTCTCAGCCA | CTTGGGAGGC | TGAGGCAGGA | AAATTGCTTG | AACCCAGGAG | GCAGAGGTTG | 35220 |

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|-------|
| CAGTGAGCCG | AGATCATGCC | ACTGCATTCC | AGCCTGGGTG | ATAGAGTGAG | ACTCCATCTC | 35280 |
| GAGAAAAAAA | AAAAAATTCT | GTATGAAC TG | AACAAAATAT | CCTTAAATTT | TAAAAATACAT | 35340 |
| CTGAAAGATA | TTTCAAATA | TTTAGGAAAA | AAATTATAGG | GATCAGGCAA | ATTCTGAGAT | 35400 |
| TCCTTTTTCC | CTGCAGCAAA | CATTAGGAGT | GCTGCTGTTC | CTAAAAACAT | GGTAACTGTT | 35460 |
| GCCACACCGT | ATGTTTCCTT | GGCTCAGACA | TAAGGTTGTG | TAGTTGTTAT | TCCAGAATAG | 35520 |
| CTAGAATAAA | AATCCAGCAC | ATCATTTTCT | TCAGCAAGTT | AACTAACCTC | TCTGTGCCTT | 35580 |
| GGTTTCATAA | CAGCAACATA | AGCATAACAG | AATAGCAGCA | ATAGCTCCTA | CCTACCTCAT | 35640 |
| AAGATTCTTT | GGAAGAATTA | AATTAAGATT | CAGAACACAG | CCTAATATCT | AGTAAGTAAT | 35700 |
| AATAATTGGC | TAAAAAATT | TTCTTAAGAT | TATATATATT | CATGGGGTAC | AAGTACAATT | 35760 |
| TTGCTACATT | AATATATTGC | ATTGTGGTGA | AATCAGGGCC | TTCAATCCAT | CCCGGAAAAA | 35820 |
| AAAAGTTTTT | GAAAAGATTT | CTGCCATGGA | AACTTTTAA | TGTACAAATT | CATCCATCCA | 35880 |
| AGAAATAGAA | AATATATAAG | TATCAACTCC | AAATCCACCA | TATCTATCTC | TTCTGCACCT | 35940 |
| TAAACAATTA | CTCAGAAATA | GAATGCTTGA | GATACCAGAA | TGCATGCATA | TCAAGTAATA | 36000 |
| AATGCATGCA | GGATGTCAAC | GCATCCTAGG | CTTTCAAATA | AAATTGTCAT | ACAAAATACT | 36060 |
| TTAATATTGT | AGTAACATTC | TACATGTTAG | AGTGTAGAAG | TTAATCGCTG | ATGCAAAAAA | 36120 |
| GGAAAAGAAC | ACATTATACC | CAAAGCCTAC | AGAGAGAATC | ACAATTACAA | ATATCAGCCT | 36180 |
| GCATGTGAAA | ATCTTTAATT | TGAAAGTCAG | AAATATTTAA | ATGATAGTCA | TTGTTAAATC | 36240 |
| AGATTGTGGT | TTGAAAAAAA | GTTAGTTTAA | AACTGAGTTT | ATGAAAAAAT | TGGGGATTTT | 36300 |
| AGAGACAGTG | TTTTGTTTTT | AAATGTGTGT | GAGTTTGTGA | AGAATGTTTT | ATAAAATACT | 36360 |
| GACAGTATTA | TAAGATGACA | TTATTATAAT | ACAACATAAG | AATTTTGGCC | TGTACCTCTC | 36420 |
| AGCAGTCCTC | AATCACCTGC | TGTACTTGAC | TCAATGATTA | TCAGAGTGGT | TTGTTTTCTC | 36480 |
| TCTGTTGTGT | TCCCAGTTCA | GGCAGCTCAG | CAATGGCCTG | TGATTCCAGC | AATTCAAATA | 36540 |
| GCTGGTAAGT | AGTTTCTTGT | TTGTTTTCTC | AAATTTTCAG | GGGCTTTTCT | CTACAAGTGA | 36600 |
| TTTCCAGTGC | ACGCCCTCC | ACCCATTCTT | TATTCCTTTA | CCTTCAGGAA | AACCCTCAGC | 36660 |
| GCTGCATCTC | TGGTCACCGG | ACCACCGTGG | TACATTTACC | TATGGCCACC | AGGTGTCACC | 36720 |
| CTTCTCTTTA | CTACCATGGT | TTGTGAATGG | TTTTGCCAGA | GGTGAATAAG | AATTTAAAT | 36780 |
| GCAGGTCTTT | GATTTTTCAA | ATGTAGTTGA | CCTTAAGAAT | TTATGAATAA | AGCCAGAAAA | 36840 |
| ATTAAGCTTA | AAAAACACCG | AAAGAAAATG | AGGACTTAAA | ATTTCTATTA | AAAAAATTAA | 36900 |
| CAGGCCACAG | TTGCTGATGT | TTAGTAAATG | TGTTAGTGAA | ATGTGTTACT | GTGAAGACTG | 36960 |
| GGGTGTTTCT | TGAAATCTCA | GCCCAGGTGA | AATAAAACCA | ATATAAAACA | AATGCTTACC | 37020 |
| TAATAAATTA | ATTGTAACAT | ATTCCTTATG | AGGTAGAAGA | GTAAGTGAAG | CCTTATAGCA | 37080 |
| GTCTGCTTTC | AGTATAGTAA | GATATTAAGA | GAGAAATAAT | TTGTCATATG | CTTTCAGAAT | 37140 |

| | | | | | | |
|-------------|-------------|------------|-------------|------------|------------|-------|
| GGTTTGCTGG | TAAAATAACC | AATGTCTTAC | AACTTAGACG | ACAATGTCCC | TAGAGTGAAG | 37200 |
| AAACACGATT | AATTCGGCTA | CCACAGTTGA | ATGAAAAATAT | TCCGTAAGAC | AAAATGTAAA | 37260 |
| GAAATTAGAA | GCAAAATAAA | TGTCTCCAAA | ATGACAAAGC | GATTAAGTAT | ATACACAAGA | 37320 |
| TGAACAAGAA | CTTCAATAAA | ATCATGCAGT | ATACAATACA | ATGTACATTT | ATTAAAGTAT | 37380 |
| ATGCATTTTT | AATGCAACAA | TAATACTAAC | AGGTAATAGA | CAAGTTGTTA | ATAGTTTTTC | 37440 |
| ACTGGCTAAT | TAAATAACAG | CTTTAATTGT | ATTCATTTTA | TAGCTTTTCT | ACAATGAGCG | 37500 |
| TAAATCACAT | TTACTTTTTT | CTACATAACT | TTTCTAACCA | CAAAAAAAGA | AAATGGTTTA | 37560 |
| AAAGAAGAGA | TGAGATATCT | TTGCTAAAAT | TTAATGCCTA | AAGAAGAAAC | TTCTGAGCTG | 37620 |
| TATATGGTAT | CCTGAAGCAC | CTGCCCTTCA | AGACAGAATG | CTTGTACCAC | ATTTATGCAG | 37680 |
| CCAAGTGCAT | GTAGTAACAT | AAAGTAAACA | CATGCCATCT | GGATATATAT | ATTAAGACTC | 37740 |
| TTTTGACGGC | TGGGCAGGGT | GGCTCACACC | TGTAATCTCA | GCACTTTGGG | AGGCCGAGGC | 37800 |
| AGGCGGATCA | CGAGGTCAGG | AGAGTTCGAG | ACCAGCCTGG | CCAACATGGT | GAAACCCTGT | 37860 |
| CTCTACTAAA | AATACAAAAA | TTAGCCGGGC | ATGGTGGTGC | ACGCCTGTAA | TCCCAGCTAC | 37920 |
| TTGGGAGGCT | GAGACAGGAG | AATCGCTTGA | ACCTGGGAGG | CAGAGGTTAC | AGTGAGCCGA | 37980 |
| GATCATGCCA | TTGCACTCCA | GCCTGGGCAA | TAGAGTCTCA | AAAAAAAAAA | AAAGACTCTT | 38040 |
| TTGAACATGG | TGAAC TGATT | TCCCAGAATC | TAGCAATTCC | TGAATGTCCT | GGTTAGATTT | 38100 |
| TTTTTTTAAAT | GTGCACCGGA | ACCCAGTGG | CTCCATGGAA | GGACCTGGGC | ATCCTCTAAG | 38160 |
| CCACTTGGTG | GCTTCCATTA | TACCATCTCA | AAATGAGAGA | GCTTACTCCA | CTTCATTGAG | 38220 |
| GGAAATACCA | CCAGAGTTCT | GACTCCAGAG | GCACTGGCCT | AGGGAGGACA | CCGTGTGTGA | 38280 |
| AGCCCAGCAG | GGCCACTAGC | TGTCCCCACC | AATTACAGTC | CTTGCGTAGG | GTCCAAAGAA | 38340 |
| ATGAATGCCA | AAGAGAGCAA | CAGAGGAGCA | AGGGAGTCAC | ATTCCAGGAC | CTTCCTTCAG | 38400 |
| GGACTTTTAA | AGGAAACATG | ACAGCTGAGG | ATCAGTTGGT | TGTTTTCTGC | TGTTCCCCTT | 38460 |
| CATGTGATTC | AAGCTCATTC | AGAAGAAACA | CAATGAGACA | AGAGAAGAGC | CATCTCCTTC | 38520 |
| CTTCTCTATT | TATTCTAGGC | ATCTAAACTA | CTGAATGTAG | TGGTGTCTGA | GATGTATCAA | 38580 |
| ACGGTCAGAT | TGACTGAGTT | TGAAACCTGT | TTCTATCACT | GACAAACTAT | GAGATACTCT | 38640 |
| ATACTTCACT | TTCTTTTTTT | TTTCATTTTT | TTATTTTTAT | TTTTATTTTT | TTGAGATGGA | 38700 |
| GTCTCACTCT | GTCACCTAGG | CTGGAGTGCA | GTGGCGCAAA | CTCGGCTCAC | TGCAAGCTCT | 38760 |
| GCCTCCTGGG | TTCATGCCAT | TCTCCTGCCT | CAGCCTTCCG | AGTAGCTGGG | ACTACAGGCG | 38820 |
| TCTGCCACCA | CGCCCAGCTA | ATTTTTTGTA | TTTTTATTAG | AGATGGGGTT | TCACCATGTT | 38880 |
| AGCCAGGATG | GTCTCGATCT | CCTGACCTCG | TGATCCACCC | GCTTTGGCCT | CCCAAAGTGC | 38940 |
| TGGGATTACA | GGCGTGAGCC | ACCGTGCCCG | GCCTACTTCA | CTTCTTTCAT | TTAAAAAAGA | 39000 |
| AATGGGGATA | ATAGTACCTA | TCTCATAGAA | TTATTGTAAG | AAGTGCATGC | AGTAATGCAT | 39060 |

| | | | | | | |
|-------------|------------|-------------|-------------|-------------|-------------|-------|
| GTAAGTAGGT | GCTCAGAAGA | GTCGGACACG | AAGTAAGTGC | TTTTATCATC | CTTATCATAA | 39120 |
| TTTTTCATTAT | CAGAACAAGG | AGAGACCAGG | TAGAAAATTA | TTGTGATTCT | TCAGGTCTGG | 39180 |
| AATACTAGAG | TAGCATCCCA | AATGAAGGCA | CCATTAAACT | TTGCAAATCT | GTATGACACC | 39240 |
| TTCATGCCAA | TTAGAAAAAA | CACCTCTTCA | CAACCCCTTT | CAAGATATTT | GCCTCCTACC | 39300 |
| TGCTAAAAAC | ACCCATCATA | CTACCCACAG | ATAGCCATGA | TGCTTTTTCT | GGGACAGGTG | 39360 |
| CCTCTTCCAT | TCGTGCAGTG | TACAGCCTTC | ATAGCTGTGC | AACTCACATC | ACAATCAGAT | 39420 |
| GGAAGAATCC | CCAAGGCTTG | GTGACAGATG | AGTTACTGGG | TAACACAGAG | AGAGGATTCA | 39480 |
| AAGGAAAAGT | TGAACGGGTC | CAGAAAATGC | ATAGATACAT | GTGTAAAAAT | CTGGTAAGGT | 39540 |
| TATGACTAGC | CACGTCCCAG | GGTTCAAAGC | TTTTCTCAGA | TGTTAAAAATG | AATCATGTAA | 39600 |
| GTCCCCCAA | TTTAAGGAGT | CCTCTTCCAA | AAATAGGAAA | TGAAATGACA | TAGGTGTATG | 39660 |
| TCTCTGAGGT | GACGGAGGAA | ATGAAGGAAG | CCTCTAGATG | CAGCTTGAGG | TTCATGAGAG | 39720 |
| ACAGTTCCAG | GGGAGAGGTC | ACAGCTAGGG | ATCACCGGCA | TGCAGGAACT | CAGAAACCTA | 39780 |
| AATGGGGAAA | TCTTTTTGAG | GAAATGAACA | GAGAAGGCTA | AAATCAAGGA | GTTTCGTCAGG | 39840 |
| CAATTTCTAT | GTTTAGGTTC | AACTCTCTCC | TGAAACATGA | AGAGCTCATA | AATGCACTCC | 39900 |
| CTCTTTGAGT | CTCTAGTTTT | GTCTCCTTCC | CACAGTGAGT | CTGCAGGCTG | CGTGTCCTC | 39960 |
| ACGTTTCAGT | AAGACGTAGT | GCCCCATGGC | TCCTCCTGTG | GAGACAAGAG | ACCCAGGAAA | 40020 |
| GAGGCATCAC | AAACCTAGGC | ACCATCTTGC | CTCTTCTCTC | TTCCTTATTT | TCCTCATTCA | 40080 |
| CCCATCTCAA | TTTAGACCTG | GGCACTATTG | GATTTC AAGA | ACCATTATCT | CTCATCTGGA | 40140 |
| AATGCTTATT | GGCTTTCTAA | CTGGTCTCCT | CACCTCTCAT | CTAACTTCTT | AACAACACAT | 40200 |
| TCACCATATA | AGGGAGATCG | TGGTCCTCCT | TTCTTAGGAT | CCTTCAATGA | CACCCCAGTG | 40260 |
| ATCATAACCC | AATATCCCAA | AAGACCCTTG | GACTCTGTAT | GAGCTGGCTT | CTTTCTGATT | 40320 |
| CTCTTTTCCC | TACACCACAG | ATGTT CAGGG | GGTAGAAATG | CATAATTGGT | GAGTGATAGC | 40380 |
| TAAGCAAAC | CAGGGTTAAG | GTACAGTAAT | TATTTCTAAT | CTCCCAGTAT | GCCTTATACT | 40440 |
| CTCCTACTTG | GCATGGTTGC | TCCGTCTGTG | TAGACCTCCC | ATCATCTTCA | ACCTCACCTA | 40500 |
| ATGGAATCCA | GCTTCTCCTT | CAAGATCCAG | AAGGCTATCT | TGATCCCCAG | CTGAATGTGA | 40560 |
| TCATTCTTTC | CTTTGACACC | CTAAGCATTT | GCTTCCTGCC | TGCTTTAGGA | CCTCATGGGG | 40620 |
| TCTTCTTTAA | CTACATTTAC | TTGCTATCAA | TTTCATTCCC | TACCAGATTT | GGGTTCTGAG | 40680 |
| AATAGCCACA | GTGACTTCTC | AACCTCAAAG | CCCCTGTACT | ACCTTAAACA | GCTCTTGCAA | 40740 |
| AATAGTAGGT | GCTCTGAAGA | TGTTTGTTGA | ATTAGAGACT | TTCATTCTGG | GGAGAACCAT | 40800 |
| TATTTTCTGT | CTCCCAGGGA | GCTGCTGGTG | TCCCCAAAGA | ATATAAATGA | GAAAAATGCT | 40860 |
| TCCCATGGAT | GCCAGATCCC | CTCTGCCCC | CTTCCCCTG | TGCCCTGGGG | CAGAGGTACT | 40920 |
| AAGAGACTTC | CCCCTTGTTT | CTACTCACTT | GAACCCTGCC | TCTTCCTTAA | TATTATGAAC | 40980 |

| | | | | | | |
|------------|-------------|------------|------------|-------------|------------|-------|
| AAAATTCCAA | TGAACAAGAT | GACGACAAAA | ACAGCAATTC | CACTGATGAC | TCCAATGACT | 41040 |
| AGGGTGCCAG | ACGGTGAGGG | CTCTAAAACA | GAAAAAGCAA | GTTAAAGCCT | TTGATTGCCA | 41100 |
| CCCTCAGCCC | ACCCCTAAC | AAAGAGCAGA | TCCTCATCTC | ACTGCCATAA | TTACCTCCTC | 41160 |
| AGGCACTCCT | CTCAACCCCC | AATAGATTTT | CTCAGCTCCT | GGCTCTCATC | AGTCACATAC | 41220 |
| CCCAGATCAC | AATGAGGGGC | TGATCCAGGC | CTGGGTGCTC | CACCTGGTAC | GTATATCTCT | 41280 |
| GCTCTTCCCC | AGGGGGTACA | GCCAAGGTTA | TCCAGCCCTG | GTAGGTCCCA | TCCCCATTGG | 41340 |
| GCAATACGTC | TTTAGGTTTCG | AACTCCTTGG | CATCCATTGG | CTGCTTATCC | TTCAGCCACT | 41400 |
| TCATGGTGAT | GTTCTGGGGG | TAGTAGTTCA | AGGCCCGACA | CCGTAGAGTG | GTCACTGAAG | 41460 |
| AGGTCACATG | ATGTGTCACC | TTCACCAAAG | GAGGCACTTG | ACAGGAAAGA | GGAAGGATGA | 41520 |
| GGAGAGGGGA | TCTGTTTACC | CTTGCCAGGA | AGACTGGAAC | TTTCACTTCC | TTCTATAGGT | 41580 |
| TGGAGGAAGG | AAATACCCTT | TTCAGAAAAA | AACAAGCTAC | AGGAGAGACA | CCATTTTGTG | 41640 |
| TCCTAAGATT | GGACTCTAAC | ACAGTGTAC | TTGGAGAGCA | GTCAGATCAG | CTTGTTCTCC | 41700 |
| TCACATGTAA | ATATACATAT | CTGTTACCCA | TGTTCTTTGT | TCTGATAGAT | AAAATTGCCC | 41760 |
| TTTATGTGCA | TTGAAAATGA | TTGAATACAG | ATGGTCAGTT | TCACCTGGGT | CAACCTAGGA | 41820 |
| GGCATTGTTA | TAAGAAGCGG | ACTTGTAAGA | TAGGTAGCTT | CAGTGATTAT | TGCTATGTTT | 41880 |
| TATGAAAGAA | ACTTTTAAAC | TAAAGGATTC | TTCTACTCTG | ATAAGTGGCC | TCACTTGATA | 41940 |
| TTTTGTCTTG | GTATTCATAT | GATAGCTGAG | ATCTCTGAAT | TCTCTTTTTT | TTTTTTTTTT | 42000 |
| TTTTTAAGAT | GGAGTCTCAC | TCTGCTGCCT | AGGCTGGAGT | GCAGTGGCGC | GATCTTGGCT | 42060 |
| CAGTGCAACT | TCCGCTTCCC | AGGTTCAAGC | GATGCTCCTG | CCTCAGCCTT | CCAATTAGCT | 42120 |
| GGGACTACAG | GTGCGCATGA | CTGTGACCAG | CTAATTTTTG | TATTTTTTTA | GAGACGGGTT | 42180 |
| TCACCATGTT | GGTCAGGCTG | GTCTCAAAC | CCTGACCTTG | TGACCACCCG | CCTCGGCCTC | 42240 |
| CCAAAGTGCT | GGGATTACAG | GGGTGAGCCA | CCGTGCCCCG | CCTTGACATT | TCTGAATTTT | 42300 |
| TAACAGGTAT | AAATATACAA | AAGATTATTG | GTTAAATAAA | AAGCAAGGGC | CATAGACACT | 42360 |
| TCCCTTTGAG | CCATATGCAT | GGAGAAAAAG | AATTAAACCC | ATGACTTGTTG | GCTGTCTCAT | 42420 |
| ACATCTCAAT | TATAAGGTAG | AGACTCTAGG | ATTGAGAAAG | TCCCTTCCCA | GAATTTGGAG | 42480 |
| AGGCACACAG | CCTCAGCCAC | CTCTGAAACT | CCAACCAGGG | ATTCCGTGCC | CTGCAACCTC | 42540 |
| CTCCACTCTG | CCACTAGAGT | ATAGGGGCAG | AAGTGTGTTT | CCACCATACC | TTGTTGGTCC | 42600 |
| AAAACACCTC | TCCCCAGCTC | CAGCAACTGC | TGCAGCTGTG | CAGGGCAGTC | CCTCTCCAGG | 42660 |
| TAGGCCCTGT | TCTGCCTGGC | CCGAATCTTG | TGCCTTTCCC | ACTCCAGCTT | GGTGGGCCAG | 42720 |
| GCCCTGGGTT | CTGCTGCTCT | CCAATCCAGT | GTGTCAGGGC | AGAATTCAAG | GTGGTCCTGC | 42780 |
| CCATCATACC | CGTACTTCCA | GTAGCCCTCG | GTAAGTGTGT | CTTCTTGCAT | TTCACAGCCC | 42840 |
| AGGATGACCT | GCAGGGTGTG | GGACTCTGGA | AAAATCCCCA | GCCTTGTTAA | CTGCAACCAA | 42900 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-------|
| AGGAATAGGT | CCCTATTTCC | ACCATCCCCA | AGGACCAAAT | GATCTCAGGA | AGCAAATTCC | 42960 |
| TTCCCTCTTC | CCTGCTCCCA | CAAGACCTCA | GACTTCCAGC | TGTTTCCTTC | AAGATGCATG | 43020 |
| AAAAGATGAA | AAGCTCTGAC | AACCTCAGGA | AGGTGAGGCC | CCCTCTCCAC | ATACCCTTGC | 43080 |
| TGTGGTTGTG | ATTTTCCATA | ATAGTCCAGA | AGTCAACAGT | GAACATGTGA | TCCCACCCTT | 43140 |
| TCAGACTCTG | ACTCAGCTGC | AGCCACATCT | GGCTTGAAAT | TCTACTGGAA | ACCCATGGAG | 43200 |
| TTCGGGGCTC | CACACGGCGA | CTCTCATGAT | CATAGAACAC | GAACAGCTGG | TCATCCACGT | 43260 |
| AGCCCCAAGC | TTCAAACAAG | GAAAGACCAA | GGTCCTGCTC | TGAGGCACCC | ATGAAGAGGT | 43320 |
| AGTGCAGAGA | GTGTGAACCT | GGAGACAGAG | CAACAGGCCT | TAACCATGTG | TAGTAGGAGG | 43380 |
| GGAGCAGGAT | GTTGAGGCTC | CACACACCTG | CATCAACTCA | TACCATCAGC | TGTGTCTGGT | 43440 |
| CCTCATTTTG | TGAAGGGTGA | GTTGCAGTCC | TGTCTTTCTT | CCATATGACA | GTCCTGGGTG | 43500 |
| CTCTTTCCTT | GTGTGCTTTT | CTCTGCCACA | CGTGGCTGCC | ACCCCCTCAC | TGCCCCCAGA | 43560 |
| TCCTATTCCA | ATACTCATGA | TTAGACAGAC | TCCACTAAAG | CTGGTGGATT | CTAGAAAATG | 43620 |
| TTAAGGTGTG | TCTAGCCATG | GTAGTTGAAC | TCAGGAGTTG | GTGCTCAGGG | CAAATTAGAC | 43680 |
| CCAAATCCTG | AGGAATAATT | CCTTCAGTTT | TTTTTTTTTT | TTTTTTTTTT | TTTTTTTTTT | 43740 |
| GAGACAGAGT | CTCACTCTAT | CACCCAGGCT | GGAGTGCAGT | GGCACAATCT | CAGCTCACTG | 43800 |
| CAACCTGCAC | CTCCTGGGTT | CAAGGGATTC | TCCTACCTAA | GCCTCCTGAA | AACCTGGGAC | 43860 |
| TATAGGCGTG | CGCCACCACA | CCAGGCTAAT | TTTGTATTTT | TTAGTAGACA | TGGGGTTTCA | 43920 |
| CCATGTTGGC | CAAGCTTGTC | TCAAACCTCT | GACCTCAAAT | GATCTACCTG | CCTCAGCCAC | 43980 |
| CAAAGTGCTG | GGATTACAGA | AGTGAGCCAC | CGTGCCCAGC | CTTGGTCCTG | AATTCTTACA | 44040 |
| CTGAACTGCC | TATGTGGCCT | CACCACTTGG | AAGCCTGACT | GGAATCTCAA | ACTTAACATG | 44100 |
| TCCAAATGCA | GATCCTTGAT | TTACCCCAAA | CTGCTCTTTC | CTCTGCCTTC | ACCATCTCAG | 44160 |
| AAATGGCATT | GCCAATTACC | CCACTGCTCA | GGCCAATAAA | ATTAAAATAA | AGAACAAAGT | 44220 |
| CAACTTTAAC | TCTTCTCTTT | TTCAGGGGGT | CAGGGGAGAC | AGGGTCTTGC | TCTGTCACCT | 44280 |
| AGGCTGAAGT | ACAGTGGCAC | AGTCATGGCT | CACTGCAGCC | TCAACTTCCT | GGGCTCAAGC | 44340 |
| AATACCTCC | ACCTCAGCCT | CCCGAGTAGC | TAGGATCACA | GGTGCATGCC | ACCACACCCA | 44400 |
| GCTAATTTTT | GTATTTTTTG | TAGAGAAGGG | GTTTTGCTGT | GTTGCCCAGG | CTGGTCTTGA | 44460 |
| ACTCCTGAGC | TCAGGAATCT | GCTCTCCTTG | GCCTCCTCCT | TGGCATGAGC | TACTACACCC | 44520 |
| AGCCAATTCT | TCTCTTTCTC | TCACACAACA | TAGAATCCTT | CAGCAACTTC | CTTCAGAATA | 44580 |
| TATTCAGGAG | ACAATGGTTT | GTCACTCCCT | TTTCTGTTCC | CACCCAGCCC | ACTCCACTAC | 44640 |
| CTCTTGCCCTG | GACTGTGTAA | CAGCTTCCTG | GCTGGGCTCC | CTGCTTTTAC | TGTTGCTCCC | 44700 |
| TTCAATTCTGC | TTTCCACATA | GCAGCCAGAG | CAATCTTTTA | AAAGCCTGTG | ACAGATCACT | 44760 |
| GTTACTCCTT | GGCTAGAATT | CACACCACAG | CCTACAGGCG | CCTGCACAAC | CTTGTTTGTG | 44820 |

| | | | | | | |
|------------|------------|-------------|------------|-------------|-------------|-------|
| GCTCCTCTTC | TGAGCCCAT | ACCTACTTCT | TGGCCTCTAC | TCCCCAGCAC | TACTTGTTTA | 44880 |
| TTTTTTTCAA | CCCGAGCTTC | TTAACCAGGA | GTTTGTCTAC | TAGGTGACAT | GTGGCAAAGT | 44940 |
| TTAGAGACAT | TTTTGGTTGT | CAAGACTGGG | GGAGTGCTCC | TAGCACCTAG | TGAGTAGGGA | 45000 |
| GGACAGGATA | CTGCTAGACA | TCCTACATGC | AGATGGTAGT | CCCCCTTCCC | ACCCCCACGC | 45060 |
| CGCCCCCCCC | CCCACACACA | CACACATGAG | TAGTGCTGAG | AAAACCCGCT | TTTTAATCCA | 45120 |
| ACTTGCCAGG | CCCACTCAGT | TTGCCTGGGA | AATACTGCTC | CCAGTCAATA | TCATTCTTAT | 45180 |
| TTCTTTCATG | TCTCTGCTCA | AGTGTGAGCC | CCAGAGTGAC | TTGCCCTGAC | TTCTCTGCTT | 45240 |
| CTCACAAAC | CCATGATTTT | CTGATGTTGT | ATATCTTTCT | GCTCATTTGC | TTATTGTCAT | 45300 |
| CTCTCCCACT | AGAATGCAAA | ATATCAAAGG | GTAAAGACTT | GTTTCCCTGC | TCTCTCCCTT | 45360 |
| GGGGCTTGAA | CAGTGCAACA | CATGGCTGGG | ACTCATTTAC | ACTTGTA AAC | AATGAATATT | 45420 |
| TCTGCTCAAC | ATGAAATTTT | ATTATTCAAC | CTCTAATGCA | GTGTGATGTT | TAAGAATCAT | 45480 |
| AGCTATGAAG | TGGAGACATG | AGCTCTGCCA | CCAAAGCCCC | GTGTACCATT | GAATAAATTT | 45540 |
| GCCAGGAAGC | AGGCCGTGCC | ATGCCTCATT | CTTGTCATGT | GTAAATGTG | GATACACGTA | 45600 |
| GTACCAAAAC | TCAAAGTGCT | GTGCTGAGGC | CGGCGTGTGA | CCCACAGAAC | ACTGTGCTAC | 45660 |
| ACTACAGGGC | AAAATCACTG | TCAACTAAGA | TTAGAAGCAG | CTGTAGTACT | TGAAATAACA | 45720 |
| TCAGAAAACC | AGATTATTTA | TGTTCTTTGT | AACCTGAAAA | GAGTTATATA | ATCTGAATTC | 45780 |
| CAGTTAACTT | CTAGTAAAAT | AAACGTATTA | TTAGTCTCTA | CCTCCCTATG | CCTAGTGAAA | 45840 |
| ATCAAATAAG | ATCAGATATG | AATGTAACTT | AGAAGTGAGT | GCATTGCTTA | CATGTTTCATT | 45900 |
| ATCAGTACTT | TGTAGAGAGG | CCTCTTAATT | ACACAGCACA | TTGCAAATCA | ATAAAGCCTA | 45960 |
| GCCGAAAAGA | GAATTGTTCA | GTTCAAACGT | TCAAACTAA | CATATACTTA | ATTTTCCAGG | 46020 |
| CAAAAGAACA | ATTGCCAAGA | GTGGGGAAAG | GCCCGAGGTA | GGCCTCTCTC | AGGAGCCTCC | 46080 |
| CACCTAGAG | ACCTCCACCC | CAGGTCTCAC | CAAAAGTGGG | TGGAATGGTG | AAGAATTCAG | 46140 |
| ATCCCCAACG | CCACTCTTTC | GCGCCCCCAC | CGCCCAACGC | ATTCGTTCTG | AGGTGGAAAC | 46200 |
| CCCGTGCGGA | TCCTGCTGTG | GGTTTGCTCA | GCCTTCTCGG | CAAGCACTCA | GGGAAGAACT | 46260 |
| TCCTGTTTGG | AGATGACTGG | GGAAAAA ACT | GCACAGCTGA | CATTGGAAAT | AAACCCGAGT | 46320 |
| TCCAGGTTCA | AGGAGCCCCA | GGCTTAGCTC | AGCTCAAGTG | AGGAACTACG | AGATTTATTT | 46380 |
| AAAAGCATTC | TAGTTGGGGG | AAGGGAGTGG | GCGGTTCCAA | AAGTCACTCC | GCAGAGCCGG | 46440 |
| GACAGCCGGG | GGAGGGGGCA | GGTCCTGGGG | CGAGGGACCC | CTATCTGCAG | TTCAGTGGTA | 46500 |
| GGCACTCCCT | CACGGGGTCT | GGACGCAGAA | AGTAGGGAGA | GGGGCTTGCG | GATTGGGTTG | 46560 |
| AGCAGGTCCT | CCAAAGTTAG | CAAACTCCCA | AGCGCAAAGA | AAAAGCTAGT | TTTCGATTTTT | 46620 |
| CCACCCCCGC | CGCGCCCCTA | GTTCGCCCCG | AGCCCTCGGA | CTCACGCAGC | AAGCGCCCCCT | 46680 |
| GCAGGACCGC | GGTCTGCAAA | AGCATCAGGA | GGAGAAGCGC | CGGCCTGGCT | CGCGGGCCCA | 46740 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| TTTCCCCAGC | TCTGGCCGCA | CGTCCCCGTT | AAATCTCCGC | TTCTTTTGGG | GGGCGGGGAA | 46800 |
| ACGGGGATGG | CTCCAGAAGT | CACCCTACAG | CTATTGCCTA | GGCTCAGGAG | ATGCCCAGTA | 46860 |
| AAACTTCCTG | GTGAAAAGCA | ACAGGTCTTT | CAGAACTTTA | GTTCTCTCTC | TCCTACAGCA | 46920 |
| GAAGGTACCT | GCTTGTGAAA | CACTAGGTGA | TCCAGTGTCC | CCCTTGGTTT | TTAAATCCTG | 46980 |
| AAGGGGTGTT | GTTGATTGGG | GAAAGTAGCT | TCGCAATGTT | CTGATCTGAA | CTTTAGATAT | 47040 |
| TTAAATATTT | ATGATTTTCA | AAATTCAATC | ATACATTTAA | AAATTTTATC | TCAACCTTAG | 47100 |
| ACCAACTTAT | GTCTTATTTG | ACTTAGAAAT | ATAAAGCTTT | TTCATTTTGT | TTTTTGATTC | 47160 |
| AAATTAATTA | AGTCATAACA | TTAACCAATT | AGATCCTACT | GAAACACGTT | CCACAGCCTT | 47220 |
| CATAATTGAA | TTATCTGACA | AGTGTTTCAC | AAACTTTACA | GTATTGGGAT | TATCTGGAGA | 47280 |
| ATGATTAAAC | ATATTGAGGC | CTGCTCCTAA | CCCCAGACAC | ACTGATTTAA | TGGGTAATTG | 47340 |
| TTAGGTAGTT | AGACATTAGC | AGTTGGGAGG | GGATGACAGA | AGAGAGCGGA | AAGGCTGTCA | 47400 |
| CTAAGACAGC | CACTGGCCCA | CCTAAATTCA | GGCCCAAGAC | TACCCTAATG | CCACCCTAAG | 47460 |
| GGATGGAGTT | TATGATAAAG | TCTGTGGCCA | AAATATCCTG | GAGAAAGAGA | AAGGAGGGTA | 47520 |
| CAGGTGGAAG | TTCCCTAAGG | TGGCACATGC | CCAACAACAC | AAAAGCCTGT | CTTCAAGTTC | 47580 |
| ACCCCAAGTT | CATCATGCCA | TCATTATAAT | AGAATTTACA | TACAGTTTTG | CCCCCCCATC | 47640 |
| CCTGGGAGGC | TTTTCTTAAC | AAATTATAGG | TAAGACCATG | CACAGTTTAA | TTTLAGATTG | 47700 |
| TATAGCTATA | AACTTCAATC | AAATAACATC | ATCCTGTCAC | TCAGATACAG | CCCAAACCTC | 47760 |
| AACTCCTCCC | CACAAACCCC | ATAAAAGCAC | CTTGAGCTCT | GTAAAGAAGT | GCTGAGTTCA | 47820 |
| CTTCGCAGAA | ATAAGCCCGC | TGTCCCTCAG | AGTGTATTAT | TGTGCTTCAA | TAAACTTTGC | 47880 |
| TTTAAGCTTG | CATTTTGGTG | TTAGTTTGTA | GTTCTTTGCT | CACTATCACA | AGAACTGAGA | 47940 |
| TTGCTGCTTC | AGAGCTCCGG | CTATAATAAT | CTCCTCGGTT | AAAGGATCCA | TCCCAATGCA | 48000 |
| TAATTTCCAG | TAACAGTATG | GGATGCCACC | TGGGCAATGG | GATTTTAAAA | GCTTTCTCTC | 48060 |
| TCCCTCAACG | AAGTTTGGGA | ATTATTGCCT | TAGACATTTT | AAACAATATT | AATAAATTTA | 48120 |
| ATACACCTGA | TTTGCTCCAA | ACCTTTACAT | ATCTAGCAAA | TTCAACAGGC | ATTATTTTTG | 48180 |
| TAAGCATGTA | TGCAAAATTT | GGCAATTCAA | GAAAAATCAA | CAGGATATCA | GGGCTCGAC | 48240 |
| TGTAGGCAAA | CAGATACAAT | AACATTGGAA | ACATGTAGAA | TATTGATGAT | GGGCACATTG | 48300 |
| GGGCTGATAG | TACTATTCCT | TTTTTTCAAT | TTTTGGTAAG | ATATAATTAG | CATACCATAT | 48360 |
| AATTCATCTA | TGTAAAATGC | AAAAATTGGC | CCAGCTCAGT | GGCTCACGCT | TGTAATCCCA | 48420 |
| GCACTTTGGG | CGGCCGAGGA | AGGCAGATCA | CCTGAGATCA | GGGGTTGAG | ACCAGCCTGG | 48480 |
| CCAACATGGT | GAAACCCCGT | CTTTACTAAA | AATACAAAAA | TTAGCCGGGC | GTGATAGCAG | 48540 |
| GCAACTGTAA | TCCCAGCTAC | ATTAGAGGCT | GAGGCAGGAG | AATCGCTTGA | ACCCGGGAGG | 48600 |
| CGGAGGTTGC | AGTGAGCTAA | GATCGTGCCA | TCGCACTCCA | GCATGGGAGA | CAAGAGCAAG | 48660 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| ACTTCATCTC | AAAAAAAAAA | AATTAGCTGG | GTGTGGTGGC | ATGCACCTGT | AATTCCAGCT | 48720 |
| ACTCGGAAG | CTGAGACAGG | AGAATCGCTT | GAACCTGGGA | GGCGGAGGTT | GTGGTGAGCC | 48780 |
| GAGATCATGC | CATTGCACTC | CAGCCTGGGC | AACAAGAGCG | AAACTCCGTC | TCAAAAATAA | 48840 |
| AATAAATAAA | ATAAAATGCA | AAAATTAATG | GATTTTAGTA | TATTTACAGA | GATGTGCAAC | 48900 |
| CATTACCAA | ATTTTACATT | TCTATCTCCC | CAAAAAGAAA | CCATGTTCCC | CTAATTCAGT | 48960 |
| ACCCTTAATT | CATCGCCTCC | CAGATTCCTC | CATTCTCCTC | CTCCTCCCCT | CCCAGCCCTA | 49020 |
| GACAATCTTT | AATCTACTTT | CTTTCTATTT | GGAACATTTA | GTATACATAG | AGGCATATAA | 49080 |
| TATATTGCTT | TGCCGTGACT | GGCTTCTTTC | ATTTAGCATA | ATGTTTTTAT | GTATGTTTTT | 49140 |
| CATGGACCAA | TAATATCTAT | TATAAGGACA | TACCACAACA | TATTTTATTT | ATTCATTCAT | 49200 |
| CAGCCGATGG | ACATTGGTTT | GTTTCTACTT | TATGGCTATT | GGGAATAGTG | CTGTTATAAA | 49260 |
| CATTTATGTA | CAAGTTTTTT | TGTAGACTTA | TGTTTTGATT | TCTTTTGGTT | ATATATCTAG | 49320 |
| AAGTGGGTTT | GCTGGGTCAT | ATGGTAACAC | TGTTTAACCT | TTTGAGGAAT | TGCCACATTC | 49380 |
| TTTTCCAAAG | TAAGCATTTT | ATCCTCCTAT | CAGCAGTGTA | TGAGAGTTCT | GATTTCTCTC | 49440 |
| CATCTTTGCC | TGGGTTTTTG | AATCAGGGCC | CCAGATAGAA | CAAAAATGTG | GTTATTCAGT | 49500 |
| TGTTCCACCA | TCACTTGTTG | AGAAGACTCT | TTTTTCATTG | AAGTGTTTTG | GCACCCTTAT | 49560 |
| CAAAAATCAA | TCTACCATAA | ATGTGAGAGT | TTATTTCTGG | AGTCTCAATT | TTATCCCATT | 49620 |
| ATGCTATAAT | CTATAATCCT | ATCTTTTTTT | TTTTTTGACA | GAGCCTCACT | CTATTGCCCA | 49680 |
| GGTTGGAGTG | CAGTGGCCCA | ATCCCGGCCA | CTGGCTCCTC | CTCCCAGGTT | CAAGCAATTC | 49740 |
| TCCTGCCTCA | GCCTCCCAAG | CAGCTGGGAT | TACAGGTACC | TGCCACCATG | CCTGGTTAAT | 49800 |
| TTTTGTATTT | TTAGTAGAGA | CGGGGTTTCA | CCATGTTGGT | CAGGCTGGTC | TGGAACTCCT | 49860 |
| GACCTCAGGT | GATCTGCCCA | CCTCAGCCTC | CCAAAGTGCT | GGGATTACAG | GCATGAGCCA | 49920 |
| CCACACCCAG | ACTATAATCC | TATCTTTATG | TCAGGACTAC | ACTGTCTTGA | TTACTATAGC | 49980 |
| TTTTTAGTAA | ATTGAATTCA | AGAAGTTTCT | CAACTTCAAA | TTTGATCTTT | TTTTGGAAGA | 50040 |
| CTATATTAGC | TATTCTCAGT | CTGCTGAATT | TCCCTAGGAA | TTTTAGGATC | TATTATCAAT | 50100 |
| GTCTATTCTA | TTTTTGATA | TGTTTTAATA | TTTTCATAAG | AAACTTTTTT | CATTTAAACT | 50160 |
| TTTTTTTTTA | AGAAAAATAG | TGAAAATCAG | AATACTGGGG | GTCAGGCGCA | TTTAACAGGC | 50220 |
| AGAAGAAGAA | TAAAAACTTG | TCATATAAAC | AAAAAAGAAA | TGACCAATCA | CATTGTGGAA | 50280 |
| GCCATGGAGT | GGTTATAGGT | GCCAAAGGCT | GCAGAGAAAT | GGTGTGAGAT | ATACCTGAAA | 50340 |
| ATTGTCCATT | GTATTTGGCC | ATTAAGAGAC | TTAGAAGACT | TAAGCCATAG | ATTGCTCAGT | 50400 |
| GAGACCCCGA | GGGCAAATGG | TCTGAAGGTG | AATAGATCAT | TTCACCTTTA | AGAGAGCAGG | 50460 |
| TAGGAAGCTA | TAAATCCAAG | ATTAAAAAGT | TGACTGAACT | GTTAAAGAAG | AAACTCTAAT | 50520 |
| CTTGAGCCAC | CCTATCCTTG | CTCCACCTTC | TGCTGCAAGC | AAACAGAAAT | GCTGAAATTC | 50580 |

| | | | | | | |
|------------|------------|-------------|-------------|-------------|------------|-------|
| AACACTCACA | AAGGCTGGTA | AGCTGGAAAT | GACAAAAATT | ACTCCTGGGA | AAGTCAGATT | 50640 |
| TAGAATTAGG | CCATATTTGT | TGGGGTTCAG | ATTTTCATGT | ACACTTGGGA | AAGGGTTTAG | 50700 |
| CTTATAGGCA | CATGCATGAA | GGGAACTGGT | ATAGGGCTGT | G TTCATAAGG | TCAAGAGTTG | 50760 |
| AAGGCCAGGC | ATGGAGGCTC | TTGCCTGTAA | TCCCAGCACT | TTGGGAGGCC | GAGGCAGGAG | 50820 |
| GATGGCTTGA | GCCCAGGAAT | TCAAGACCAG | CCTGGGAAAC | ATAGGGAGAT | GCTGTCTTCA | 50880 |
| CAAAACAATT | AAAAAATAAA | ATTAGTCAGG | TGTGGTGGCA | CACACTTGTG | GTCCCAGCCA | 50940 |
| CTCAGGAGGT | TGGGAAGATC | ACTTAAGCCT | GGGACATTGA | GGCTGTAGTC | AGCCATGATA | 51000 |
| GTGCTACTGC | ACACCAGTCT | AGGTGACAGA | ATGAGACCCT | GTCTCCAAAA | AAAGAGCTGT | 51060 |
| ATCCACATCC | CAGGAAAGTG | GTTGAAGATC | TACTTTTCTC | TGTAAACCTA | ATAAAGAATA | 51120 |
| GAGTGACAAA | TGTGTGTTGT | GGAAAGAAAT | GGGGTGAGAG | CTACGTAGAT | GCAAAACAAT | 51180 |
| ACATCCCCAC | ATACCACTTG | TTAATCATCC | TTTTCCACCC | ACTTATGGGA | TGAATTGCAT | 51240 |
| CTCCCCAAAA | GATACTCTGT | CCTAACCCCT | AGTACCTGTG | AACCTGACCT | TATCTGGAAT | 51300 |
| ACGGTGAGTT | CACTGGTTAA | GAAGAGATTA | TAGTGGAATA | GGGTGAGTCC | TCCAACCAAT | 51360 |
| GACTGGGGTC | CTCACAGACA | CAGAGGGATG | ATGGCCAGGT | AGAGATGGAG | GCAGAGATTG | 51420 |
| GAGTTATGCT | GCCACAAACC | AAACACAGGA | AGCTGCTAGA | AGTGGAAACA | GGCAAGAAAG | 51480 |
| AATCCTTCCC | CAGAGGCTAC | AGAGGGATCT | TGGCCCTGAT | AATACCTTGA | TCTCAACTGG | 51540 |
| CCTACGTAAC | TGTGAGAGAA | TAAATTTCTT | TTGTTCTAAG | CCACCCAGTT | GATAGTACTT | 51600 |
| TGTTACGGCA | GCCCTAAGGA | ACTTGATATA | CATTTCTTTT | ACTGTCATAG | AAGTTTTGAA | 51660 |
| TCTTTTAAGT | AGGTCTGTAC | CCTTCCTCCC | AGTGTCAACG | CATGGAATTC | CTCTCCTTGT | 51720 |
| GCCTTGAAAA | GTGAAAGGTG | TTTGAAC TGG | TAATGAAAGA | AATCTCAGCA | TGAGGCCAGA | 51780 |
| TGCTGTACCT | CACACCTGTA | ATCTCAGCAC | TTCGGGAGGA | TGAGGCGGGC | AGATCACTTG | 51840 |
| AGGTCAGGAG | TTCTAGACTA | CTCTGGCCAA | CATGGTGAAA | CCCCATCTCT | ACTAAAAACA | 51900 |
| AAAAATGTTA | TCCTAGCCGG | GCATGGTGCC | TGTAGTCCCA | GCTACTCAGG | AGGCTGAGGC | 51960 |
| AGGAGAATTG | CTTGAACCCG | GGAGGTGGAG | GTTGCAGTGA | ACTGAGATCA | CGCCACTGCA | 52020 |
| CTCTAGCCTT | GGTGAGAGAG | CAAGACTTGG | TCTTAAAAAA | GAGAAAAGAA | AAATGAAATT | 52080 |
| TCAGCATTAT | AGAATAAAAA | TGTTTCCCCCT | TCCCCC AAA | CTTTAAAAAA | GCAGAAGTCT | 52140 |
| GCATCATAAA | ATGGTCTTTG | CCAATGTTAT | TTTTATTATA | ACAAAGGAAT | CTTGCAAGGC | 52200 |
| TACCAGATCT | CAGCAATTGT | CACTATGTTC | TGTAAAAATC | ACTTCCTAAA | ATGTCTGAAT | 52260 |
| TGACTGCTTG | TCTCATTTAT | TTGTTTCTCG | TGTCATACTG | CAATGGATAT | CTGTCTTGTT | 52320 |
| AGTATAAATA | TTTGTGCATT | TTGTTGTTGT | TAAAAACAGCT | TTTTTGGCCT | GTCTTCTTCC | 52380 |
| ACCTATGAGG | TAATATAAAA | CTCATGTTTA | ACACTTATTT | TTGTAGGAGG | ACAAGCTACA | 52440 |
| GACAAAACCC | CTCAGACACT | GAGTTAAAGA | AGGAAGGGCT | TTATTCAGCT | GGGAGCTTTG | 52500 |

| | | | | | | |
|-------------|------------|------------|------------|-------------|-------------|-------|
| GCAAGACTCA | CATCTCCAAA | AACCGAGCTC | CCTGAGTGAG | CAATTCCTGT | CCCTTTTAAAG | 52560 |
| GGCTTGCAAC | TCTAAGGGGG | TCTGTGTGAG | AGGGTCATGA | TCGACTGAGC | AAGTGGGGGT | 52620 |
| ATGTGACTGG | CAGCTGCATG | CACCAGTAAT | CAGAACAGAA | CAGGGATTTT | CACAGTGTTT | 52680 |
| TTCCATACAA | TGTCTGGAAT | CTATAGATAA | CATAACCGGT | TAGGTCGGGG | GTCAATCTTT | 52740 |
| AACCAGACCC | AGGGTGCAAC | ACCAGGCTGT | CTGCCTGTGG | ATTTTCATTTC | TGCCTTTTAG | 52800 |
| CTTTTACTTT | TTCTTTCTTT | GGAGGCAAAA | ATTGGGCATA | AGACAATATG | AGGGGTGGTC | 52860 |
| GCCTCACTTA | TTCACCCCCT | TTGAGAATCT | CACTCATTAG | TGGGAGTTCT | CACTTTTATT | 52920 |
| CTCACTACCT | ATGTCTTCTT | GAAAGACAGA | TTGATAATGA | TTCATATAGT | ACACTTGTGC | 52980 |
| TGAAGCATTT | TGGTGAGCTA | AGGTAGTGAT | GAAGCTTTTT | ATCATTTGGA | GAAGTACAGG | 53040 |
| TAGCAAACAA | GGAAGCAGTA | AGCAGGTTTC | TATTAATATT | ATAACTCCTA | TTATAAGAGT | 53100 |
| TTTAAATCTT | CTTAGCACTC | GGAACCATTT | TTCAAACATG | GCCCCAGAAA | CAAATCCATA | 53160 |
| CCACACCTAC | ATGGGCACAT | GTGCCACTTT | TGTCATATTT | CTAACTATGT | CTTCAACTAC | 53220 |
| TTGCCCTTAA | TCATCTATGT | GTAGACAGCA | ATTAGTAAGG | TTAAATTTCC | TACAGACCCC | 53280 |
| TCCTTCAGTT | GCTAGCAAGT | AGTCGAGAGC | CAATCCATTT | TGATAGATAG | CATTTTGCAT | 53340 |
| CTGAGTTTCT | TGCCAGGCCA | CAGTAGTCAG | GGCTCTGCTG | GTCTTATTAG | TAATTATTTT | 53400 |
| TAAGACAGCT | TGTAACCGTA | TGATTCAGTT | GAGCATGTAA | ATGGGGGTCC | CATATCCCCA | 53460 |
| CAAGCCGTCT | TGTGCCCAAG | TAGCAGGCCC | ATAATATTGT | ATGATTCTCT | CAGGGGGCCA | 53520 |
| TTCAATTATTT | TTCCAATTTT | CTATAGCTAT | GCTTTTTTTT | TTTTTTTTTT | TTTTTTTTTT | 53580 |
| TTGCGGGAAG | CATATACAGG | GAAGCCCAGG | AGTTTGCCTG | TCTTTATGGG | CAGTAGGAAG | 53640 |
| AAAGATGGTT | TAATAGTGTC | AATAACACAA | CTACCTGCCC | ACTGGTCAGG | TAATTTGGCA | 53700 |
| TAAGCTGTAT | GCCCACATAT | CCAGTATAAT | CCAGTGGGGG | CTGTCCAGTC | CCGGTGGGAC | 53760 |
| TCTGGGTGGG | TCCACACAGT | TTGCAACTTT | GGAATTTTAC | TAAATAGATT | TTTCTTAGTG | 53820 |
| TGGTTTGAAC | TCCACTAGGT | GGCTGTTTTT | ATAGTACTAT | TATACAGTTT | TTGCCCAAGG | 53880 |
| CAGCTGAGTC | TTCCACAGG | AAGGGTGAAG | TCCTTCCCCA | CTTTTGCTAT | ACAGTATTGT | 53940 |
| CTAATGATTG | AGGCTTTTAG | GACCCAGAAG | TTATCAGGGT | GAGTCTTTTG | AGCTGGGAAT | 54000 |
| TTATCAGGAA | CTGGGTCTGT | AGGTACTAAT | TCTCGTGCTT | CCCATGGCCA | TTGATCTCCC | 54060 |
| ATTACAGTTC | CTCCACATAC | ATACATAACA | TGAAGTGACA | TTGAGAGACT | GGGCTACATG | 54120 |
| CTCAGCTAAT | TGCAAAAACA | AATTTCTTGT | TTTTCTTGGA | ATTTCTAGTA | CTGGCACATT | 54180 |
| CAGTTCATCA | TAAGAAGGTT | TGAAATACTG | GCTCAGGGGA | GCATTTATAA | ACTTCTCCTC | 54240 |
| AAACCACCAT | ATTTACTCAA | GGATCCAGTC | CAGCCCCAAC | TATTTCTAAG | GTTACACGAT | 54300 |
| CCCCTTTTTT | CCAGTGAGAA | TCAAGGGGGT | TGGTTATTAC | TAGTTCTAAG | GGGTTACACT | 54360 |
| GACCACTGGT | ACAGGAAGGG | CCACTTTTCC | CTTTCTGAAG | GTGGACAGGA | TTCTTTTTAT | 54420 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-------|
| TTTTTAACCA | AGTTGCCTAA | ATGACACAAG | ACCAGTATCT | ACATTTATTT | CCACGCAGTC | 54480 |
| TTAATTCATG | ACAAGCGTAC | TTATTTTCTG | CCATATAGCC | TCTTTCCTAA | TGAACAGAAC | 54540 |
| CACATCCTAT | TTCTAACTTA | TTACTATTAA | TGACAGCACA | GGCATCAAAT | TTCAAGGTGA | 54600 |
| CTTGTTTGGG | CATTCTTTT | TCTTCTGTTT | TGGCTAACAC | TTTACTCGTA | TCGTTTATGA | 54660 |
| ACCCCCACCA | GTCCTCAGTC | CTCAATCTTA | TTTCAAAAAC | TGTGGTCGTG | GGAGGCTCAG | 54720 |
| ATGGGTCATA | ACACACATCA | GGTTGGTCAT | TTCTTGGGCT | ACCTGCCTTG | TATAGAATAG | 54780 |
| CATTATACAA | ACAAGTTATT | TTTAGAGTCT | TTGTACACTT | ATAATAACCA | TAAAATAATA | 54840 |
| AGACTGTAGC | AACTTTTTGT | CCTACCTCAG | TGACTTGATG | TATACACTGG | GAACAGCCCT | 54900 |
| CAGTCTGAGG | AAGGTTAGTT | GAAGTCTTTA | CTGTGCAAGT | CCAAATTTTA | AGGAAAATGA | 54960 |
| GTCCCTTGAT | GAGTTTTCTC | ATGTTTCGGC | CATGCATGGA | CCAGTCAGCT | TCCGGGTGTG | 55020 |
| ACTGGAGCAG | GGCTTGTTGT | CTTCTTCAGT | CACTTTGCAG | GCGTTGGCGA | AGCTGCCACG | 55080 |
| TACAGCTCAC | AGTCTACTGA | TGTTCAAGGA | TGGTCTTGGA | AGTTGGGCCC | ACTAGAATTA | 55140 |
| ACTGAGTCCA | ATACCTCTAC | TCAGTCACTT | TCAACTGGGC | TTTCTGATAC | CAGGAGCAAG | 55200 |
| GTGGCAGGTT | TTAGGGTGTT | GCAAATTTCA | ATGGTTATGC | AGGGATTTTC | ACATAGCAAA | 55260 |
| CTTTGGTACT | TGGTTAATCT | AGCATTGTGT | AGCCAATGAT | GTATTTATTA | AAGTCACCAC | 55320 |
| AGCATGGAGG | GCCTTTAAGT | TTAGGTTTTG | TCCAAGAGTT | AGCTTATCTG | CCTCTGTGTC | 55380 |
| TAGCAGGGCT | GTTGCTGCCA | AGGCTCTTAA | GCATGGAGGC | CAACCCTTAG | AAACTCCATC | 55440 |
| TAGTTGTTTG | GAGGCCCAGC | CTCGGCCAGG | GCCCCACAGT | CTGGGTCAAA | ACTCCAACCG | 55500 |
| CCATTTTTTTC | TCTTTCTGAC | ACATAGAGTG | TAAAGGGTTT | TGTCAGGTCA | GGTAGCCCCA | 55560 |
| GGGCTGGGGC | CGACATGAGT | TTTTCTTTTA | ACTCATGAAA | AACTCATTGC | TGTTGGTTGT | 55620 |
| AATAGATGTA | GTTTATCCAA | TCTACATTTT | TATTAAGTGT | CACCCACCAA | AATATTGACT | 55680 |
| CAAATCCTGC | AGCTATTTGA | TTTTGGGATT | TAAATTGATC | TGCTATTCCC | TGTGGGACTC | 55740 |
| CAATTGCATC | TAAATAGATG | TGAGAGTTGA | AAGACACATA | AGGGTCTTCT | CTTGCTTTAC | 55800 |
| GATGTCTTAT | TTTTCTCCC | TCTGGTTGAT | GAAATGCTAG | GGTGAAAGGG | ATAGCCAAC | 55860 |
| GGACTAAAGT | ACAAGTGCCG | CTCCAGTTAT | TTGGCAGAGT | GCCCAGTAAA | GGTCCACCAC | 55920 |
| AATACCACCA | CACATCCGCT | TGGGGATGAA | CAAAGGCTGA | CTGATTGAGA | AGCTCCTGAA | 55980 |
| AATTCTTAAG | CTCACTGCAT | CCCTTCAGGT | CTCCAAGGAA | TGCTAAGTTT | CCTCCCTGTC | 56040 |
| ATGAGAGACA | AGAAGTGAAC | TTAGTTTTGG | GAGATGGAAG | CTGGATGGCC | CTCAGGGGTT | 56100 |
| GACCTGCAGG | GTGCTGGACT | TTGGGATATA | GCAGAGAGAG | CTTGGCACGA | CTTATTACTC | 56160 |
| CAGGCTGTAG | CATCCTGGAA | AACAGTTACC | ATGCAGCCCA | TGCCTGGTCA | ACAGGAGGAC | 56220 |
| CACCTTAGTG | GAAAGGGGAT | AATCTGGCCC | TCTGGCCTGC | CATGTGCACA | AGCATAACAA | 56280 |
| TTGGTTTTGT | TTAATGTGTG | GACAGAATAT | TTGATCCATT | CCAAGTGGGC | ATTTGCATCT | 56340 |

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|-------|
| TGGTATCCTG | CTTAATTATC | AAAGTTTGTT | TTAAGTCTTT | AACTTCTATG | ACCCTCTAGT | 56400 |
| AAAATGAATG | TATGATTTTA | GGAAATTACA | AAAACCGGTT | GGGGCAGTCC | ATCCTCGCTC | 56460 |
| TTTAGTGGTC | CACACAACAT | TCGACCAACT | ATGGCATAAA | AGCTCTACAT | CAGGGGGCAA | 56520 |
| GACTCCTCGT | TGACACTGGG | GTCTTTATTG | AAATCTCTCT | GGATTAAATG | GTCTCAGTTT | 56580 |
| ACTAAGGCTC | AGTCTGAGGA | GAGTCAGGAG | GGACAGAGGT | ACTTTTCTGA | AGTACAGAGA | 56640 |
| TGTCTTCGAC | TTGGCAAGTC | CCCACAGGGT | ATAACAAGGC | AAGCATTAAG | TTCAATAGTT | 56700 |
| TGAGGCAAAA | TTGACTTGGT | TATGTTAATA | ACTAGATGGT | CAGAAATAGA | GTGAGGGAAG | 56760 |
| AAGAAAGAGT | AATAGAATAG | ATGAAGGAGT | TAAATTTTTC | TTAGCTTTAG | TTTGGTAGGG | 56820 |
| TTTTCCCCTG | GGACTATGGC | CCATGACTCT | GGAGGGGGTG | GCACTTTCTT | GACTCGGGTG | 56880 |
| TGATGAGTCC | ATCCCTTTTT | CACCGTATGA | ACAACAGTCT | CGGTGGTTAG | CAGCACAAGG | 56940 |
| TAGGGTCCTT | CCTAGGCTGG | CTCAAGTTTT | CCTTCTTTCC | ACCCTTTGAT | GAGAACATGA | 57000 |
| TCTTCAGGCT | GGTGCTGGTT | TACAGAAAAT | TCTAGGGGTG | GTACATGTGC | TAAAAGACTT | 57060 |
| TTAGTTTTGA | GGGAAAGGAA | AGTGGAAGAT | AAACCAAGTA | TATAACTTTT | AAGAAGTTGA | 57120 |
| CCTTTTGTTT | TAAATGTGGG | GACATCAGCA | GTGGACTTTA | TAGTCCTTGG | TGCCTTCTTA | 57180 |
| CTGAGAAATT | TCCTTTAGCA | CCTATTTTTA | TTAGTTTTTA | GACCAAAGAA | AGTCAAATGC | 57240 |
| CATTTTATAT | TTGACAACGC | TTCTTGTATG | TTTATACCAG | ATAAGCTAGA | TTTCACCTTT | 57300 |
| ATATTGGTGT | GTTATTAATG | TTAAACTTAG | TTTAAATAAA | ACTCTGTAGA | CATATTTATT | 57360 |
| TGATTTTTTA | TGTCTGACCA | TAAGGTAAGA | TTTTTATAGA | CTTTTCTTTA | ACCTTTTATA | 57420 |
| ATTTTTGTTA | AAGAACAGGT | TAGTGCTTTA | AGAAAAACCC | GTTGTGTTTT | TATTTTAATG | 57480 |
| TTCAGTTCAC | AGAAAACTG | TATGATACCC | CTTAACTTTA | GCCAATATGT | TTAGACACAG | 57540 |
| AATTTTCTTT | ACAATTAAGG | TTTCAAACT | TGCTTAAACC | TTCAAAACAA | TTTTTGTAAC | 57600 |
| CTTTTAATGT | AGGTAAAAAT | CCACATTCTT | ATGCATCCTC | ATAATCCTTT | TACCAAAGGT | 57660 |
| ATATTTTACT | TTCCTTACAT | ACCTTGCACA | TAAACTGTTT | ATTCAATAGT | TTTACATTTA | 57720 |
| GAAGGAGGCC | TAATTACTTT | TAAATTATAC | AACATTTCTT | GCATAAATTT | ATTTTCTTAA | 57780 |
| CACACATTTT | TTTCATGACT | TTACAGACA | ATTCTTCGAC | ATGCCTCAAC | TTTCTGACTT | 57840 |
| ATTGCAAACA | TCCCTTTCTT | TAAACAACTA | GTTAATTTAT | CTCAGGACAA | GGATTTTCCA | 57900 |
| TACAACATTC | TTTTTTTATAT | AAATTCTGCC | TCCTCTTTAT | TTCTTTTTTT | TTTTTCCGAG | 57960 |
| GATGATAACC | ATTCTTTTCC | AAAGCGAACT | TCTTTTATGT | CTGTGGACTA | GACTGTCTAA | 58020 |
| GGCCACAAGA | TTAGAAGTTA | CTATAATACA | TGTTACACTG | TTAACTTTTA | GCAAACTTTA | 58080 |
| CTTTTGTTGA | AAACCTTGTA | AGTTTGGGAT | TTCAATTATC | CTTTGCTATT | AATAAGACCT | 58140 |
| TATTTAGTCC | AAATTAACTT | AGAATTGGTA | TAGATGGCTT | TTTTTTTTTT | TTTAATTACC | 58200 |
| TGGGAGGAAC | CATCTATCCT | CCTGTCCTGA | AGGGAGTTCC | TCCTAGGTCT | GGTCAGAGCT | 58260 |

| | | | | | | |
|------------|------------|-------------|-------------|------------|------------|-------|
| TTGTATGGTA | ATTAAGATTT | AGATCCCCTG | TTAGGAAACC | TGCCGGGTTA | AGAGAATTTT | 58320 |
| CAGTGGTTAA | TGTTAAATCA | TCTTCTTTTT | TCTTTTTTCC | TTAGGATACT | TCTGAACCGG | 58380 |
| TGAGGTGTGC | TCACAATGAG | GTTTCCTGTA | AAAGTTATTT | TTTTACTTTC | TTCTGTTAGC | 58440 |
| AAAGCAGTTG | CCGCTACAGA | TTGAATGCAT | TTGGGCCATC | CGCGGGTTAC | TGGGTTAAGG | 58500 |
| ATTTTTGATA | GGAAGGCCTT | AATGCTTTTG | GAATATGCCC | TGACAACAAA | GTGCCAGTTC | 58560 |
| CTTCCCGGTG | TTCAGCCACT | GCGTTGATCC | TCCACGAGGG | CCTGCCACGT | GCTGCTCTGG | 58620 |
| TGAGGCGTTC | CACCGGGGCA | ATTGCCTACC | TGGGAGCGCT | CTCCAGATCT | GTGTCGCTCA | 58680 |
| AACTGGCTGG | AGTTCCCCGT | AGGGATGCTC | CACAGGGCAG | GCCTAAGTCG | CCTAAGGGGC | 58740 |
| TGCCTTGACC | GTCCGTTAAT | CACCTCTGTC | TCCAAAAACC | AGCTCCCTGA | GTGAGCAATT | 58800 |
| CCTGTCCCTT | TTAAGGGCTT | ACAACTCTAA | GGGGGTCTGC | ATGAGAGGGT | CGTGATTGAT | 58860 |
| TGAGCAAGCA | GGGGGTACGT | GA CTGGGGCT | GCATGCATCA | GTAATCAGAA | CAGAACAGAA | 58920 |
| CAGCACAGGG | ATTTTCACAA | TGCTTTTCCA | TACAATGTCT | GGAATCTATA | GATAACATAA | 58980 |
| CCTGTTAGGT | CAAAGGTCGA | TCTTTAACCA | GACCCAGGGT | GCGGTGCCGG | GCTGTTTGCC | 59040 |
| TGTGGATTTT | ATTTCTCCCT | TTTAATTTTT | ACTTTTCTTT | TCTTTGGAGG | CAGAAATTGG | 59100 |
| GCATAAGACA | ATATGAGGGG | TGGTCTCCTC | CCTTAATTTA | AACAAAATTT | TCAAAGTCCT | 59160 |
| ACCCCAAGTA | AATTGGCAAA | TATTAATAAA | GTTATGGCAT | AGAAAATAAA | AATGATTGTA | 59220 |
| AAAGGCGTAA | AGATATTTCT | GTGGGGAAAA | CATTTGTTCA | TTAGTTATCA | GTTAAATTC | 59280 |
| TGTGAAAAAT | AACCACTAGA | GACCCTAAAG | TACCCAGGGG | CTAATAATAA | GAAGGGAGGA | 59340 |
| ACACCCTCTC | AGTCCCCACC | GTTACCTCCC | CAGAAGGGAA | GAGGAAGAGG | GTGACTCCAG | 59400 |
| GAGAGCTGTG | GTCTCCCCTC | CCCATATGTC | CACATATACC | TGACCTCCCC | TCCCCAAAT | 59460 |
| ATATACCCAA | TATCTCTCCC | ATATATACAT | ATTTATCTGA | CCTCTCCACA | TATGTATACC | 59520 |
| TAAACTTTCT | CTATATATCC | ACATATACCT | AACCCCTCTCA | CACACATATA | GCTGACCTCC | 59580 |
| AGTGGAGGAA | AATGGGGAAG | AGAGAAGAAG | TTATCAAAGG | ATAAATCTAG | GTCATACTCA | 59640 |
| GAAATGTGAA | AAACAAAAAC | CACACACAGA | AAAAAAAAAC | ACACACAAAA | AAGAAATTGA | 59700 |
| TAAATTTGTT | TGTGTCAAAA | TTAAGAATTC | CGGTTCAATG | AAGGATCCCA | TGGATAAAGT | 59760 |
| TAAGACACTG | CTGTAAGGAT | GGTAGAGAAT | TAAATGTCTG | AATCAGACGA | AAGGATGAGT | 59820 |
| AATTAGAATG | CACAAGGCCA | AGAAGAACAA | AACAGAAACT | CCACATAAAA | AATGTATGAG | 59880 |
| GCCGGGCGCG | GTGGCTCATG | CCAGTAATCC | CAGCGCTTTG | GGAGGCCAGG | GCGGGCCGAT | 59940 |
| CAGGAGTTTG | AGACCAGGCT | GGCCAACATT | GTGAAACCCC | ATCTCTACAA | AAAATACAAA | 60000 |
| AAATTAGCCG | GGCGTGGTGG | TGGGTGCCTA | TAATCCCAGC | TACTTGGGAG | GCTGAGGCAG | 60060 |
| GAGAATCACT | TAAACTCAGG | AGGCAGAGGT | TGCAGTGAGC | TGAGATCACA | CCATTGCACT | 60120 |
| CCAGCCTGGG | TGACAGTGTG | AGACTCTGTC | TCAAAAAAAAA | AAAAAAATTA | TATATATATA | 60180 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-------|
| TATATATATA | TATATATATA | TATATATATA | TGAAATAAAAT | GAACAAGAAA | TTTAGATACA | 60240 |
| GGAAAATCCA | AAGCACTTGG | TAATGAAAGA | AAGGTAAAGT | GATGTGTCCT | TTTGCATTTA | 60300 |
| AAAGAGAGCA | TTAACAAATT | AGAGAGCTGA | ATAATGCTCA | GTATTGGTGT | GGATATGGAG | 60360 |
| ACTCAGGAAT | CCTCATACAC | TGCTGATGGG | AGTGCCCACT | CCCTGGGAAT | ATTTTCCAAA | 60420 |
| TATCATCTCA | AACATATCCC | ATAAAGGTGA | CAGGAAAGTG | TGGGCTGACT | GATATCCTTC | 60480 |
| ACTGAGAGAG | GTGGAGGTAA | AATGAAGTCA | CTGCACAATA | TAGAGTTGGA | AGCAATGGAT | 60540 |
| TAGATGTCCA | CATAGTTACG | TGGAAGAATC | CGTAAGATAC | ACACACACAC | ACACACACAC | 60600 |
| ACCTTTGTGT | ATATTGTTCC | TGGCAGGTAG | GCATGGAGGT | TTAGAGGCTT | TCTACATCAC | 60660 |
| ACCTACTGCA | CACAGTAAAT | GGCCAGGCTG | AGCACTGACT | TCCATGAAGG | GAGATTGAAG | 60720 |
| GTAAGAGATT | GAAGATTGTT | CCCTGGTCTG | GGACCCTGCA | ACTGAATATG | CAGAAAAAAG | 60780 |
| TACACCCCGC | CACCCCGCTT | CCCATCTTTC | CTACCTGATT | AGAATAGCTT | TTTCAGAAAA | 60840 |
| CGTTGGCCAG | GGGTTGTGGC | TCACACCTGT | AATCCCAGCA | CTTTGGGAGG | CTGAGGCGGG | 60900 |
| CAGATCATCT | GAGGTCAGAA | GTTCCAGACC | AGCCTGGCCA | ACATGGCGAA | ACCCCATCTC | 60960 |
| TACTAAAAAT | ATAAAAAATT | AGCAGGGCAT | GGTGGCACAC | ACCTGTCATC | CCAGCTACTC | 61020 |
| GGGAGCCTGA | GGCAGGAGAC | TCACCTGAAG | CACAGTGATG | GAGGTTGAAG | TTAGCTGAGA | 61080 |
| TCTTGCCACT | GCACTCCAGC | CTGGACAACA | GAGTGACACT | TTGTCTCAAC | AACAACAACA | 61140 |
| AAACCCACCA | AAACTTTAAA | TCTACCTATG | GCCAAATGCC | TGCTAAAATG | AGCACCCAAG | 61200 |
| AAGCAGTGTT | CAGGAAAGTC | AGATGAATAC | CCTAAAATTA | GATGCAATGT | TGGCTGGTCA | 61260 |
| CAGTGGCTCA | GGCCCTGTAA | TCCCAATCCT | TCTTGGGAGG | CCGAGGCGAC | AGATCGCTTA | 61320 |
| AGCTCAGGAG | ATCGAGACCA | GTCTGGACAA | CATGGTGAGA | CCGTGTCTCT | ACAAAAACGT | 61380 |
| ACAAAAATGA | GCTGGGAGTG | GTGGCGCACA | CCTGTAGTCC | CAGCTACTCA | GGAAGCTGAG | 61440 |
| GTGGGAGGAT | CTCTTGAACC | CAGAAGGCGG | AGACTGCAGT | GAGCAGAGAT | CATGCCACTA | 61500 |
| CACCCCAGCC | TGGATGATAG | AGCCAGACCC | CCATCTCCAG | AAAAAAAAAT | AAAGAGAGAG | 61560 |
| AGAGATGCAA | TATTTAGGGT | TCAACAAGAC | TGAACTTCTG | ACTCCTTTCC | CTACCTCTCC | 61620 |
| AGCATGTTAG | ATTCTGGGTC | CTTCATCCTA | ACCCCTGTGT | CATGCCATAG | CCACCCTGTG | 61680 |
| GTACCAACTT | TGGAAGCCTG | GATCTTCATC | CCCTCATGAT | AATGAGTGTC | CCATTCAGGT | 61740 |
| CTCCATGCTC | AGCTTGGCAA | GAGTATCTGT | CTTCTCCTCA | TGGGACGGTC | ACATTACCCC | 61800 |
| AGCACTGACA | GGTTCCATTC | CCACTAGGGT | GGCACCCAT | ATGGTCTGAG | TCCAGGCCTT | 61860 |
| CCTGGTCCCT | CAGTAATCTC | AGCATGGTAG | CACAATCGAA | AAGGGCTAGG | CACGGCAGCA | 61920 |
| CCATTTCCCA | CCAAGAGGTC | TGATGGCTCA | TCACATAGAC | TGAAGGAGAT | TCTGAAGAGC | 61980 |
| AGAGGTGGAA | TGAAGAATGA | ATCCTGGGCT | CTGCTCTTCC | TAGGCCTGTC | TTCTCTCTCT | 62040 |
| CCGAGATGTT | AGCTAACTCA | TGAGAGCCAG | AAACCAACTG | CAGGCTGGCC | TCAGGCACTT | 62100 |

| | | | | | | |
|------------|-------------|-------------|------------|------------|-------------|-------|
| AGGTAGTGCT | TCAGCCTCAG | CAGTCCACAT | TCTAGGAACC | CTCATAATAT | GGGTTGAAGT | 62160 |
| ATGCATTCCC | ACAAAAATAA | AGTTGTTGAA | GTCCTAACCA | CCAGTACTGA | AATGGGAAAA | 62220 |
| GTTCCCTTGT | CCCGCTCGCA | TGGCATGTGA | TAGGAGTGTG | GCTAATTTCT | TCAGTGCCTG | 62280 |
| GCTGCTCAAA | CCTCTAGGGG | AACAGTAAGA | CGGGCAGGTT | GTGGGTCTCC | AACCCCATGA | 62340 |
| CCCCACCACA | GTGTCTAGGG | TTGAATGTTT | ACAGCTCCTG | AAGCCACAGT | GGGTGTGTGT | 62400 |
| TACAGGGTGC | TCTTTTAGTT | TTGCCATTTA | TAGGCAGCTG | GTGTTAACCA | ACTCAATTAG | 62460 |
| ACCGTCTACC | TTGTCCCAAG | GACAGAAGAA | GGCTTTCTGT | ATCCCAGGTT | CTTGCCTTGG | 62520 |
| TGTACCGGAA | TAAATCAGAC | CACACCTGGG | CTTAGAGAAA | GAGTGCAAGG | TTTTATTAAAG | 62580 |
| TGGAGGTAGC | TCTCAGCAGT | TGGGCAAAGC | CAAAAAGTGA | TGGAGTGGGA | AAGTTTTCCC | 62640 |
| TTGGAGTCAG | CCACTCAGTG | GCCCAGGCTC | TCCTGCAACC | ACCCCAGTCA | AATTCCGCCT | 62700 |
| CATTTTGCCA | GGCAAACGTT | TGTTGTGTGC | TCTTCTGCCA | GTGTGCTCCC | CTGGACGTCC | 62760 |
| AGCTATTCGT | GTCTTGTGGC | AGGCCAGGGG | AGGTCTTGGG | AAATGCAACA | TTTGGGCAGG | 62820 |
| AAAACAAAAA | TGCCTGTCCT | CACCGTGGTC | CCTGGGCACA | GGCCTGGGGG | TGGAGCCCTA | 62880 |
| GCCGGGGACC | ACGCCCTTCC | CTTCCCCACT | TCCATATCAT | TTAAAGGGAC | CATGCCCTTC | 62940 |
| CCTTCCCAGC | ACTTTCCCCC | TCCTGTATCA | GGACCTGTGA | ATGTGGCCTT | ATTTGGAAAT | 63000 |
| AGGGTCTTTG | CAC TTCATCA | GTTAAGATAA | GAGTGGGCTC | TAACCCAACA | TAAAGGGTGT | 63060 |
| CCTTATAAAA | AGGAGAAATG | TCATACACAG | AGACTGACAC | CTATAGAGAG | AAAATGTGGT | 63120 |
| GAGTAGACAC | AGGGAGAATC | ACCATTCAAG | TCAAGCAATG | AGTCTGGGGA | TACCAGAAGC | 63180 |
| TGGGAGAGAA | ACCTGGAACA | GATTATCCCT | CATTGCCTTC | AGAAGGAATC | AAACCTGATG | 63240 |
| ATACTTTGAT | TTCAGACTTC | CAGCTTCCAG | GACTGTGTGA | CGATAAATAT | CTGTTGTTAA | 63300 |
| GCCAACAAGT | TTGAGGTACT | TTGTTACTGC | AGCCCCAGAA | AACTAATACA | GTAGGTACTA | 63360 |
| TGGACTGAAT | TGTGACTCCC | CGTCGCAAAA | TTCATATGTT | GAAACCCTAA | CCCCCAGTGT | 63420 |
| GATGGTACTT | GGAGCTGGGG | CGTTTGGGAA | GTCATTATAT | TTAGACAAAC | TCATCAGGAT | 63480 |
| GTGTCTCTCA | TGATGAAATT | CATGCCCTTA | TTAAAAGAGA | CAACAGGCCA | GGTGCAGTGG | 63540 |
| CTCATGCCTG | TAATCCCAGC | ACTTTGGGAG | GCTGAGGTGG | ATGGATCACC | TGAGGTTGGG | 63600 |
| AGTTTGAGAC | CAGCCTGGCC | AACATGGTAA | AACCCCATGT | CTACTAAAAA | TACAAAAATT | 63660 |
| GGCCAGGTGT | GGTGGTGCAC | GCTTGTA CTC | CCAGCTACTT | GGGAGGCTGA | GGCAGGAGAA | 63720 |
| TCCCTTGAAC | CCAGGAGGTG | GAAGTTGCAG | TGAGATCACA | CCACTGTACT | CTAGCCTGGG | 63780 |
| TGATAGAGAC | TCCATCTCAA | AAAAAAAAAA | AAAAAAGAC | AATAGAGCCA | GGTGCTGCAG | 63840 |
| CTGATGCCTG | TAATTCCAAC | ACTATGAGAG | GCTGAAGCAG | GAGGCTCGCT | TTAGCCCAGG | 63900 |
| AGTTCAAGAC | CAGCTTGGAC | AAAATAGTGA | GACCCCCAAC | TTCTAAAAAT | TTAAAAAATG | 63960 |
| AACTGGGTGT | GGTGGTACAC | ATCTGAGGCT | CCAGCTACTC | TGGAGGCTGA | GGTGGGAGGA | 64020 |

| | | | | | | |
|-------------|------------|------------|-------------|------------|------------|-------|
| TTGCTTGAGC | CCAGGAGGAG | GCTGCAGTGA | GCCATTGCTG | TCCAGCCTGG | GCTACACGAG | 64080 |
| AACCTGTCTC | GGGAAAAGGA | GAAAACAGTG | AGACCTCTTT | TTCTCTCCTC | CTTCTCTCCA | 64140 |
| CTGCCTAAGC | CCTACAAGCA | CAAAAAGGAC | ACCACATGAG | CACATAGTGA | GAATGCTGCT | 64200 |
| GCCACCAACA | AGTCAGGAAG | AGAGCGTTCA | CCTAGAAACT | GAATTGGCCA | GCACCTGGAT | 64260 |
| CTTGGACTION | TGAGCTTCCA | GAAGTGTGAG | AAAGTTATTT | TTTTTTTAGC | GAATAAGTCT | 64320 |
| ATAGTATTTT | ATTACAGCAG | CTCAAGGTAA | CTAACATAGT | AGAAGGGATG | AATTATGGAG | 64380 |
| ATCACAAGTC | CACGCCTCCA | GAAAAAGACT | TCCCTAAAAA | TTAGTCTGAG | CAAAATTCGA | 64440 |
| ATGATGAATT | ATTTTTAAGA | ACTTTTAAGG | GATCTGACAA | GTTTGCAAGA | GCTAGAGAAT | 64500 |
| GCTTTACAAC | GTGATAATAG | AATGCTCTGT | GATGACAGAA | ATCTTTCCAC | ACTGTTCAAA | 64560 |
| ACTAGCTACT | GGCCACTTGT | GACTATTGTG | CACCTGAAAT | GTGACTGGTG | TCTGAGGAGC | 64620 |
| AGAATGTTTA | ATTTTACTTA | ATTTTAATTC | ATTACAATAG | CTACATGTAG | CTAGGGGCTA | 64680 |
| CTGGATTGAA | CAGCACAGCT | CGAGTCTTTT | AGAGGGAGAC | AGGACTCACC | AAGGTGGATG | 64740 |
| CTGGTGGCCA | AGCAGCAATG | GCAGGTAGTA | CACACACAAG | AGGCAGATGA | TACAACACAT | 64800 |
| CCTTCCCAAA | CCTGGAGATA | AGCTCACCCC | ACAATCCCGC | CGCTGAAATA | GAGTTGATGT | 64860 |
| TACCAATGTG | CATTTTTATG | TCCTTTTCCA | TACAGAAAGA | TCATTCAACA | AGTACTATGG | 64920 |
| TACTTAAAAA | ACAACATTCA | ATTCATTATT | ATGACAAAAAT | TAAATTAATA | GCTCTTCCTT | 64980 |
| AAACTTTTAA | ATTCAATTTA | CAATGCTTAC | TATTGGCATT | TATTAATCTA | CCAATTTTTT | 65040 |
| CCCATAGAAC | CCATAGAAC | AATAATCTAC | CAAATTTTTA | ACATTCAATT | TTGGCAAGGC | 65100 |
| TTTTGCAATT | TGACGAACTT | TAAGAAGAAA | ACTTATAAAT | TGCAATTTTT | AAATCTGACA | 65160 |
| TACTGGACTT | TTAAAGTATC | CAATTGACTA | ATGAACAAAA | CTGCTCCAAA | TTTTTCAATT | 65220 |
| CTTAAAAATC | TTAAGACAAT | ACTTAATATG | GCAAACTTTA | ACTTCTTAAA | CTTTGTAAGA | 65280 |
| ATGCTAATCA | ACTTAGATTG | GTATAAAGTT | GAGTTAAAAA | TCACAGGATA | CATCATCTCA | 65340 |
| GCTATAAGTT | TTCATGAGTT | GAGTTTTTAC | AATCACTTGA | AATGCTTAGA | ATAGGAAATA | 65400 |
| CGTATAAATT | ATTTAACATA | AAATATTGTT | ACAAAACCTC | TGGAGTGTCA | GTTTCTCTGG | 65460 |
| CCAGACTTTA | TGCTGCAGCA | CCTTTGCCTG | AGTTCTTGTC | CTGCATCCAG | GAAGAATTAG | 65520 |
| GTACAGAGGC | AAGAGTCAAG | AAGATTAGTT | TTCCAATAGT | TCAGCTCACC | TAGTTAACTC | 65580 |
| CTGTTACAAA | TCTTCAAAGT | TATCAGAAAC | CTGCAATTGA | GGGTTATAAT | CCATTCTTTG | 65640 |
| CAGAGTTTCA | AAACAAGACA | ACATTTGTCT | ATGAATGTTA | AAATGTCCTA | GGGTAGTCAC | 65700 |
| AGTCAAAAAC | ACAATTGACA | AAGAAATTTA | GTCACCTCTG | TGATTTACAA | TAGCCTAACA | 65760 |
| CAATAACTCT | AATTATAACT | GATGACACAA | ACTCAGATAT | CAGAACTCTA | GAAATCCCCT | 65820 |
| ATAATTTTGG | AACACATATT | CACAGTTTTC | ACTGAAATAT | GACCTGAAGA | TCAAATATCA | 65880 |
| CCTTATTTCA | ACAATCCTAT | ATAACTAAAC | GTGTCAAATG | ATCCTGTTTA | CCTCTCCTTT | 65940 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-------|
| GGATACTCCA | GGGGCCCTCT | GTAGCATCCA | AAAGTTAGGG | GTTAGCAAAG | ACAATTTTGA | 66000 |
| AGCTGTAAAG | GCTCAAAACA | CTTAATGAAC | CTCTAGTCAT | ATCTGTTCTC | TACTCACTAA | 66060 |
| ATGCTAGTAG | CACCTCTCAG | TTGTGGCTAA | GCTGGGAGGA | TCTCTTGAGC | CTAGAAGTTT | 66120 |
| GGGGACGCAG | TGAGCTATGA | TTATGCCACT | GCACTCCAGC | CTGGGCAACA | ATGCAAAATC | 66180 |
| CTGTCTCAAA | AACAAAAACA | AAAAACAAAT | TGCCTATGCT | GTGGTTATCT | CACAATTAAT | 66240 |
| AAAAAGGAAA | AAAAAAGTAT | GCAGTCTTTG | TAGGTCCTTG | GGGTTTGTTG | GAACTCAGAA | 66300 |
| AACAATACCC | CAAAATAAAG | ACCGCAGAAG | CCAAAGTTTT | TCTCTGATCT | TCTCCTGCCC | 66360 |
| TCCTGTCTCT | GAGTCCCAT | CTCCCCGAG | TCTAGCCATA | GAAATGAGAA | TTCTCTTCC | 66420 |
| TCAAGTTAGG | TCATAGAAAT | CAAAACACCT | TTTCCCCAGA | GCCCAGCCAT | AAAACCTAAA | 66480 |
| AATATTACTC | TAACTTTCCC | TCTGTTTTTC | TGTGTAAAAA | CTGGCCATAA | AGAAATTATC | 66540 |
| TGAACACCT | TATTTGATCA | TAGATCACCA | GACCGCATTC | CAGAGAGGAT | CCAGAAGGAA | 66600 |
| GGAATGCTGC | ACAGAGAGGC | CAAGAAGAAT | CTAGACAGAC | AGGCCTTGCT | GGGTTTCCCT | 66660 |
| ACTCTGTTTA | TTAGCAATCC | TATTTCTACA | CGGCGGCCCA | TACTTTGTTG | AATCTAAAAA | 66720 |
| ATAAAAATGG | ACAATTTCCC | CTGTACATGT | TAATACACAT | TAATAAATTG | GATATAAATT | 66780 |
| GGATAATTTA | TTAATATACA | CATTAATAAA | TTGGATGCAG | CCGGGTGCAA | TGGCTCACGC | 66840 |
| CTGTAATCCC | AGCACTTTGG | GAGCTGAGGC | GGGCAGACCA | CGAGGTCAAG | ACCACCCTAG | 66900 |
| CCGAAATGGT | GAAACCCCGT | CTCTATTAAA | AATACAAAAG | TTAGCTGGGC | GTGGTGGCAC | 66960 |
| ATGCCTGTAG | TCCCAGCTAC | TGGGGAGGCT | GAGGCAGGAG | AATTGCTTGA | ACTCGGGAGG | 67020 |
| CGGAGGTTGC | AGTGAGCCGA | GATTGCGCCA | CTGCACTCCA | GCCTGGTGAC | AGAGTGAGAC | 67080 |
| TCCGTCTAAA | AATAATAATA | ATAATAATAA | TAATAATAAT | AATAATAATA | ATAAATTGGA | 67140 |
| TGCATTTTAT | CCTATTAATC | TTCTCTTGT | CGGTGGTTTT | CAGCGACTCT | TCAGAGGCCA | 67200 |
| AAGAGTAAGT | TTTCCCTTAG | CCCCTACAGG | TTCTTATGTT | TAATTTGTGA | CTCTCATTTA | 67260 |
| AGACATAATT | AAAGTGGCTT | CTCCATGAAG | ATTATTTCTG | CATCCATTAT | TTGGTAAGAT | 67320 |
| TGGCCGTTTT | CTCCTTTGAT | CTCTACTTCA | CACTGACCCA | CATAAAACAT | CACTGCCTGT | 67380 |
| TTTTTTGTTG | TTGTTGTTTG | GAGACGGAGT | CTTGCTCTGT | TGCCCAGGCT | GGAGTGCAGT | 67440 |
| GGTGTGATCT | CCGCTCACTG | CAAGCTCCGC | CTCCCGGATT | CACGCCATTC | TCCTGCCTCA | 67500 |
| GCCTCCTGAG | CAGCTGGGAC | TACAGGCACC | CACCACCAAG | CCCGGCTAAT | TTTTGTATTT | 67560 |
| TTAGTAGATA | CGGGGTTTCA | CTTTGTTAAC | CAGGATGGTC | TCGATCTCCT | GACCTCGTGA | 67620 |
| TCGGCCCCGCC | TCAGCCTCCC | AAAGTGCTGG | GATTACAGGA | GTGAGCCACT | GCGCCCCGCC | 67680 |
| CCGTTTTTTTT | TTTTTTGGTT | TTTGCATGTC | TTCTCCCTTT | TACTGTAAAC | TATTTCCACT | 67740 |
| ACCAGCGTAG | TTATCATTTT | TACTGCTTAA | TAATTGTTTT | GGGGAAGTGA | ATGCATCAAC | 67800 |
| CCACATGAAT | TTCTTGTCTA | TTTGACAATT | TATTCTCTTT | AGGAATAGTA | TTAACTCCTA | 67860 |

| | | | | | | |
|-------------|------------|------------|------------|-------------|------------|-------|
| AGGTCCTGGG | AGCCAGTCTC | TGTACTTGGC | TGCTCCAGGG | TCCTACTTCA | GTTTCCCAGC | 67920 |
| TTCTCAGTAC | TGTCACTGTC | AATTGTGGGT | AATAATTATT | TTTGTCCACC | AAAAGACTCT | 67980 |
| GTATGTGAAT | GAGTTTTGAA | ATCTGCTGAG | TAATACAGTG | TCAACCCAGT | TAATGATTTG | 68040 |
| CCGGGCGGCT | TGATCAGGGG | CTGTCCAAC | ACCGGCATTT | TGATTTGGAG | CGTCATCTAG | 68100 |
| TGTCTGAAAG | CACAAACAAC | ATCCTACATT | GTAAATGCCT | TTGGCTACAG | AGATTGAAAC | 68160 |
| CAAAGCAAAC | CTATGTTTTG | AATTGTTATT | CTTCAGCAGT | TCTGCTAGCC | TTGAAAAATC | 68220 |
| TAAAAGTTAA | AAAAAAGCTT | TATATTTTCA | TTTCTGCCTA | AACTCTTTAA | AATTGCTAGT | 68280 |
| TGACAATTAG | ATATTTTCAA | TTTAATGAAA | TTTTTTTTTA | GTTTACAGAT | TAATACACAA | 68340 |
| TGGGGGAGGG | TTCTTATTCT | GTTGGACTTT | TACATAACCT | CCACTTTAGT | GCAGTCTGCT | 68400 |
| TTATGGGGTC | TTGTTTGAGG | TGTGTGTGTG | TTTAAGGGAA | TGTGGTTTAC | AATCAAAATA | 68460 |
| TTGGGTTGCT | CTTAGGCACA | TTGTAAAGTC | ACACACCTGT | ATTCTTATTG | ATACATAATG | 68520 |
| ATTAATAACA | TTATTATTAC | AGCCTGATCA | CCATCATTAT | TGATATATCT | AAATAATGAA | 68580 |
| TTTTATAATT | TTGCTTCCTG | TCAGGCAAGA | GCCAATTTCA | GTGCTACCAT | GTTTGTATAG | 68640 |
| CAGTATTTAT | GTCTGTCATC | CTCAGTCATT | TTACTTCACT | TGTTCTTAGC | CAAACGGCCG | 68700 |
| AGAAGCGATG | GTCATTTTAC | TTCAAAAATG | AAAAGAATTA | ATATTTTTTAC | GTTTCCCTTA | 68760 |
| AAGACCCTAT | GTTTAACCTC | CACTCCCCGG | TAAAATGGTC | TAGTCCCTCC | TTTTCATATC | 68820 |
| ATCTCTGATA | TCTTTTGCAC | AGCCACTATT | ACCTACCGTT | TTCTAGATCC | CTATTCCTCA | 68880 |
| AACACCACCA | TGAAGGTAGA | GCCTGTCTGA | ATTATTTTCT | TGTCCCGTGA | ACTCAGTACA | 68940 |
| TTGTTAGGCT | TCTTGAAGAT | GTTGATCAGT | TGTTTGTGGA | GTGAATGAAT | CAGCTAGCAT | 69000 |
| GATTTTTTCTA | GACCACTGAG | ACAAGTGTCT | AAGACACTTG | TTCCTTCCCA | TGTTCTTGCC | 69060 |
| TGCCTGTGCA | ATCCATGCAG | TCTCATGGCT | TCCCAGTGCC | TCAGAATTAT | CCCCTGTCAA | 69120 |
| ACAGGCATTA | TAATTTCTGT | CCACTGAAAA | GGACAAAAAA | CTAAGTGTAT | AGCTAGAAGT | 69180 |
| TAAAAATTAC | CGGCCAGGTA | CTGTGGCTCA | CTCCTGTTAT | TCCAACATTT | TGGGAGGCTG | 69240 |
| AGGCGGGCAG | ATCACCTGAG | GTCAGGAATT | CGATACCAGG | CTGGCTAACA | TGGCGACCCC | 69300 |
| GTCTCTATCA | AAAATGTAAA | AGTTAGCCAG | GTGTGGTGCC | TCGCACCTGT | GGCCCCAGCT | 69360 |
| ACTCAGGAGG | CTGAGGCAGG | AGGATCGTTT | GAGCCCTGGA | GGTTGAGGCT | GCAGAAAAAT | 69420 |
| AGGAATATAC | TCTCTTTCAA | GAGTTCGTGG | TTTTGACTGC | CACCTAGCGT | ACATCAGAAA | 69480 |
| AACCGCATGA | CATAGGAAAT | GCCTGTGACA | GAGGGGTAAG | GTGAGAGAGG | TTGATGAAGA | 69540 |
| ATGTATTGAA | GGAGTGAAAA | CGCTTCCATC | CCTCTACTTA | CTAAATATAT | TAGTTAAGTA | 69600 |
| GTTGGGGCAT | ATTTTAATTC | ATGCATTTTG | TAGATAGAAA | AACAAAAGTT | TTATTCCTGT | 69660 |
| TGATTTAGTT | GATACTTTAA | TATGTGTGTG | TTTAGGATGC | ATGATTTATA | ATCAGTCTGC | 69720 |
| AGCACTTCTT | GGAGAAGTCT | GAATTCTCAT | TCTCCATTTT | CTTATTGGCA | ACGTGAGAAT | 69780 |

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|-------|
| GATTACAATG | GTGGTTGTCT | CATAGAATGC | AGGGAGTCAG | AATGAAAATA | GTCCATATAA | 69840 |
| TGCCTGGTGC | AGAGGAAGGG | TTCAGTTAAC | TGTCTGTATT | AATATTACTG | ATAACAGTCA | 69900 |
| TGACAAACAA | AAGCTTAACA | ACAACACCAC | CAACAACAGT | TGCAGAATTG | AGCCACCAAT | 69960 |
| TTGCACACAA | GATTGTAGGT | AGGATGTTTT | AGAAAAGTTA | TTATTTAATA | TATGTATATA | 70020 |
| TTTTTGTACT | TAAAATATGT | CAGAGGTTGT | TCTAAGAACT | ATTTAAATGT | TAACTCCTTA | 70080 |
| ATCCTCATAA | TGACCCATGA | AACAGGTAGG | CTTATTATTG | TCTCTTTACA | TGTGAGAACA | 70140 |
| CTGAGACACG | AAAAGGTTTA | TTAACTCACC | CAAAGTCACA | CAGCTGGTAA | AACGGCAAAA | 70200 |
| TTGAATTTGA | ACTCAGACAT | TCCAGGTTCC | AAGACAGTCT | AATTATTCTT | TTGACTAATA | 70260 |
| TACTAAGCTG | CCTCTGTATT | TTTCCTTGAT | TACTTTGTAA | AAGTATGAGG | AAAATATAAG | 70320 |
| TGCTTCAAGT | AACCATGAAA | AATATAAACA | ATCTATGTAT | CAACTGAAGC | ATAATTACAA | 70380 |
| ATCCTTTGAT | AAGCAAACAT | AATAAAAAAT | TGATATCAAT | CAAAACTTTC | ATGTAATGTA | 70440 |
| AGCAGGTTGA | GATGAATTCT | ATAGTAAAAA | AGTGCAGAGT | GCTGGAATAC | CATGCTCCTA | 70500 |
| ATATATTGGC | TAGGCACACC | TGCCTGCTAT | CAAAGGTATG | CACACACCTT | GGATACAGAA | 70560 |
| AGTTGGGACT | GGGTAGTTAT | GTGAGTGTCA | TCAGAATTCT | TTCCCACTTG | GGAAAGAATT | 70620 |
| GTCCATCATA | AGCTTGGATG | ATGGACAAGG | AGTGAGCTCC | CAGAACAGTG | ATGTGGGGAT | 70680 |
| ACATCCTCAC | ATCACAGTGA | GAATGAGTGT | TCTAGACTGT | TTACACACCT | ACCACTCCTA | 70740 |
| AATGCACACA | TATAATTGCT | TGCACACACA | CACATACACA | CTCATCTCTT | CTCTGGTGGT | 70800 |
| CCAGCTCTAT | CTCTTATCAT | TAGGCTTCTT | GGGGCTAGTA | CCTAGGGCCT | GTATCCTTTC | 70860 |
| AGAGGCAGCT | AAGGGAAGCA | CACATAATTA | GAAAGAATGA | ACCAGCTTGT | TGGATTTGGT | 70920 |
| CTCTTCGCAT | CCAGCCCTCC | AAGTTAAGGA | GAGTACCATC | TTTCTTAGGG | TCACCAAAGG | 70980 |
| AAAAAAAAAA | AAAAGAAAGA | AACAGAAGGA | TATCATACAG | CAAGGATCTA | ATGCAAATAT | 71040 |
| GCCTCAAATG | AGAGGCTACT | GTGTGCTGAT | CCCAATCCCA | GGAAGTGTAT | GCACATTATC | 71100 |
| TAATTTAATC | CTCACTGTAT | TTCTGGGAGT | ATTATTCCCA | TTTTACAGAG | AAGGAACTTG | 71160 |
| GCAGGGTAAC | CAAGCTCATG | AATGGAGAAA | CTGGGATTAA | ATATAAAGCT | TCCTTGCTCC | 71220 |
| AGAACTGCTG | TCTTTCTGCT | CTTCCACACT | ACCAGCTCAG | CTGTGCTCTC | TACATGCAGG | 71280 |
| CAGTTTTTACA | AGTTTCAGAT | TAGCCTGGGA | CTTCCAGGGT | TTTGAATGGG | TTAGGGAATG | 71340 |
| GGGAACTTTT | GGGTTTACTT | TCCATTTTTT | CTTCATACAT | ATGTAATATA | TAACATAAAT | 71400 |
| CTATGGTATA | TATGATAAAT | ATATGGCTAC | ATATGAACTA | TATAATCACA | TATATGCATT | 71460 |
| ATAAATAAAT | ATTAATTTTA | TAATATTTTA | AAGGTTATCA | AATAAATATT | AATATAAATA | 71520 |
| ATTAAATAAT | TAATACTCAG | CTTTGTTTTT | CAAAGTGATA | AATGCCTATA | TTTAGCAAAA | 71580 |
| TATTTTTTGG | AGGCCTGATA | GT'TTTTAGGA | GTGTAAAGAA | GTCCTGATAT | CTAAATGTTT | 71640 |
| AAGAACCACT | ATTTTAGGCT | GTTGTCTTCT | GTCTTATTTT | CCCAGCTAGA | CTGGTAAATA | 71700 |

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-------|
| CTTGAAGGCA | AACGTTTAGC | CAGCACATTA | ACATTTTATG | TTTTTATTCT | TTTGTGCTCT | 71760 |
| CAGTGGCTGT | GTCTTTTCTA | TCGATTTCTC | ACACTGTATG | ATGGTTATAT | TTGTCTGTAT | 71820 |
| CTGTCCCACC | AGGTATAAGT | TCTTGAGAGG | ACACACTGCT | AGGCTGATCT | TAGTTTTTAT | 71880 |
| TATTTCTCCT | GGTGTCTGT | GCTTAACAAG | TGCTCATTA | GTGTGTAAAA | ACACAGCACA | 71940 |
| GTAAAAAAT | AGACATTAAA | AAATAATGTC | AACCAATCTA | TTGAAATTTG | CATTTCCATG | 72000 |
| TTTCTTCCAA | TATAGTCATT | GTGTCAGGTT | ATGTACTTAT | TCTGATGAAG | ACTATTGCCT | 72060 |
| AATATACGTT | TGCATCTTGT | GCTTTATAAC | TGCCTTCATA | TAGACACAGA | TTGAGAAGGT | 72120 |
| GTAAAAATGT | GCATATCCTC | ACAATTGACA | AATTCTTATC | CTTTGAGGGT | AGGTTTGAAT | 72180 |
| TTCTGAAATG | CTTTGACATC | ATTTGAAAGA | AGCTTGAAGA | ATAAGATAGC | TGTTAATGAC | 72240 |
| CCAGTTTCCT | ATGTCACCTA | TACAATTATA | ATGGCAATTT | CAAAATGTTA | GGTAAATATA | 72300 |
| TTTTGCAATA | TATTGTTTCT | TTTGTAATAC | TCTCTATGTA | TTTATTTATA | TTTTTAAATT | 72360 |
| TTATATTTAT | GTATTTATTT | TTCTGGACAG | AGTCTTGCTC | TGTTGCCCAG | GTTAGAGTGA | 72420 |
| AGTGTGTGTA | TCATAGCTCT | CTGCAACTTC | AACTGCTGG | GCAAAAGTGA | TCCTCCTGCC | 72480 |
| TCAGCCTCAT | GAGTAGAGTA | GCGGGAACCT | CAGGCGCATG | CCACTGCACC | CAGCTAATCA | 72540 |
| CTATTTATTA | TGCTCCTACT | GTGTGCTTTA | GTATATTTTC | TGTTGTTTTT | TGCAACCCAT | 72600 |
| TTTGAGGGCG | TGTTAGGGAA | TACAGATGCA | GTAACCTTGG | TCTCAGCCCT | TGAGGTGAGG | 72660 |
| AAATATTTAG | CCTCAGGTTT | AATCTAATTG | TTGGCCATTT | GCCTTCAAAG | ATTGAAATAT | 72720 |
| GAGCAAAACT | GTGGCTCTGG | GTTATATGTT | AAAAAAAAAGT | TTATGGGGCT | GAAGCCAGGC | 72780 |
| AACAGACAAG | AGCCCCTACA | ATCTTATTTA | GGCTGAAAAT | ATCCTGGAGT | CCCTGTATTG | 72840 |
| TTGGTCTCAA | GCAGATAGCA | ACACTAACAC | TTACTCTTTG | AGGCAGGCAC | TGCCAGTGGG | 72900 |
| GTGGCTGTTA | TTATTAGCTT | CATTAATTGG | TGAGTCAGGA | AAAAACAGCT | TTAAATCATT | 72960 |
| CAAAGTTCTG | GCCTATACAG | GATTTAGTAA | TATTAGGTTA | GCTACATCCA | AAAGATGACA | 73020 |
| GAACCCTACT | CTAAGGCTGG | GCTTGGTGGT | TCACACCTAT | AATCTCAAAA | CTTTGGGAGG | 73080 |
| CTGAGGCAGG | AGGATCACTT | GGTGCCAAGA | GTTTGAGACC | AGCCTGAGCA | ACATAGTGAG | 73140 |
| ACCCCTGTCT | CTATCAAAAA | CAAAGAACTC | TAATTGGCAT | AGTAGAAGGA | AAAAGTGAAA | 73200 |
| GAAAAACCAG | CTGTCACCCT | CATTCCTTAC | ACCTGTCCTA | ACAACTCCTC | TCACTATCCT | 73260 |
| TTGAATATAT | CTTGGCTGTT | TGAGTCTCTC | TCTAGCCCCA | TTACTGCTGT | TTGGACTTGA | 73320 |
| CATTTTGCTC | TGCATTTTTA | ACTTTTCTAC | CAGGGTTTCC | AGACCCTGAA | GAGTGTGGCA | 73380 |
| TGAAACAAAA | CTAGTCAACC | TATAATATTT | ATGATGTGTG | TGTAAATAAA | AGAATACACA | 73440 |
| ATATATTGCA | TTACAATATT | TTAACTGTGT | CCTCAATTTG | TTTGTGGCTT | TCTTGAGGAC | 73500 |
| ATCAGTTTTG | GGTGGGACGA | CCACATCCTT | AATCTGAAC | TTCCCTTGGA | GGTCATTCTT | 73560 |
| TTTTTTTTGA | AATAGAGTCT | CGCTCTGTCA | CCCAGGCTGG | AGTGCAGTGG | CGCAATCTCA | 73620 |

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|-------|
| GCTCACTGCA | ACGTCCGCCT | CCTGGGTTCA | AGTGATTCTC | CTGCCTCAGC | CTTCCAAGTA | 73680 |
| GCTGGGATTA | CAGATGCACG | CCACCATGCC | GAGCTAATTT | TTGTATTTTT | AGAAGAGACG | 73740 |
| GAATTTCAAC | ATGTTGGTCA | GGCTGGTCTT | AAACTCCTGA | CCTCATGATC | TGCCCACCTC | 73800 |
| AGCCTCCTAA | AGTGCTGGGA | TTACAGGCGT | GAGCCACCCC | GCCCCGCCAG | AGGTCATTCT | 73860 |
| AATAGACTTT | TTTTTTGTTG | TTGCTCACAG | GCTTGTTCAA | TCTTATTTCA | AAATTTGAGA | 73920 |
| AATACAGTTT | CCATGGAACA | CCAACCAGAT | ATCAGGTTGC | TATGGAGTTG | ATAGTCAAAA | 73980 |
| GCTTTGTATC | TTCCAGTTTT | TCAGAAATGGC | TTCTAAAGGT | TCTGATTGAG | AGCTCTTAGG | 74040 |
| CGAAATTGAA | CAACCAAGTG | TCAAAGTACA | ACATTCAGGA | AGTTAAAAAC | ATGACTGACA | 74100 |
| TATATGTACT | ATATATAGTG | AGCTTGTGTA | TGTGTCAATG | AATGATTTAA | TTCATTAATG | 74160 |
| AAGGAGGAAG | CAGAATCACA | ATTAGGTCAA | AGGAAGATAC | GGGAGAATAA | AATATGTATT | 74220 |
| TGGTCAGGGA | AAGGATGTAT | ACTGGAAGAG | GAAGGGAAAA | TCAGATATAA | AGTTGTTTAA | 74280 |
| TGACTTATTA | GGCAATACAA | TAATAACTTT | TAGGGTCATT | TTTTCTATAT | TAAGAATTCA | 74340 |
| TTTCCATCTC | TATGACAAAA | TCCTTATTAA | TTTATTAAAC | TTCTACAAGT | GAATGTTTAC | 74400 |
| TTTTAGATAG | TCTGGACCCA | ATAAAATGTA | AACATTAAGT | CAGAGTTACT | TTCACGTAGG | 74460 |
| ACAGTGTTGT | CCAATAAGGT | ACCACTAGCT | ACACGTGATC | ATTGACCATT | TGGACTATAG | 74520 |
| CTAGACTGAT | TTAAAATGTT | CTAAAAGTGT | AAAATACACA | CCAGGTTCTG | AAGATTTATC | 74580 |
| ATTTAAAAAA | GAATGTCAAC | TGTCCTTTTT | TTTAGCTTAT | TTATTATATG | TTGAAGTGAT | 74640 |
| AATAGTTTAG | ATATATTAAG | TTAAATAAAA | TATCTTAAAA | TTAATTTTAC | TTGTTTCTTT | 74700 |
| TCATTCTTTC | AATGTGACCA | CTAGAAATCT | GGAAAGTATT | TATGTGATTC | ACATTCTATT | 74760 |
| TTACTGTCTA | GTATTGCCTT | ACATCATCAG | GTACCCCAT | AGTAGGCTTT | TTAGATAATT | 74820 |
| CTCTAATATA | GCTTGAAGG | ATATGGAGAA | ATATTTTTCG | GTTGCTTTTA | AGTTTTGCAT | 74880 |
| AACTTTTTCA | ACACACTTTA | TAAAGGATCT | AGAAAAGGGT | TGGTTACATG | TTTCTCTGTC | 74940 |
| TTCTGGCCTC | CACCATGTTG | CCAGGAGGTT | GGGGACAAGA | TTCTGGGTGG | CTGGATGTCC | 75000 |
| TAATGGCTTG | AGGTCTGGAC | TTGAGATTTG | CATATAAAGA | GATGTGATTA | GATTGAGTCG | 75060 |
| ACTAGAAAAA | TCATATTAGA | GAAGTGAATC | ACAGCGATTA | AATTTACATG | TCGATTTATA | 75120 |
| AACCAGGACA | CCAATTTATA | GTGAAAGAAG | GTCCAGTTAC | CTGGTAATCA | AGACGTTTCA | 75180 |
| TAGCTATTTT | CATGATGGAT | ATACTTAGCT | GAGTTTTAAA | TGAGAAGGGG | GTTTCATTGCA | 75240 |
| CATAGAATAA | GATCTAAGTG | AAATGTTTAT | TTATTTTTTT | TTTTTTTTGA | CATGGAGTCT | 75300 |
| TGCTCTGTTG | CCCAGGCTGG | AGTGCAATGA | GGCAATCTCG | GCTTCTGGAG | TGCAATGAGG | 75360 |
| CAATCTCGGC | TTCTGGAGTG | CAACGAGGCA | ATCTCGGCTC | ACTGCAACCT | CCACCTCCCG | 75420 |
| GGTTCAAATG | ATTCTCCTGC | CTCAGTTTCC | TGAGTAGCTG | GGATTAGAGT | TGCCTGCCAC | 75480 |
| CACGCCAGGC | TAATTTTTGT | ATTTTTTTTA | GTAGAGATGG | GGTTTCACCA | TGCTGGCCAG | 75540 |

| | | | | | | |
|------------|-------------|------------|------------|-------------|------------|-------|
| GCTGGTCTCG | AACTCCTGAC | CTCAGGCGAT | CTGCCCCGCT | CAGCCTCCCA | AAGTGCTAGG | 75600 |
| ATTACAGGCG | TGAGCCACCA | AGCCTGGCCT | AAGTGACATG | TTCTTATATT | GTTCTTTTCT | 75660 |
| TTCTTTTTTT | TTCGACTGAG | TCTCACCCTG | TTGCACAGGC | TGGAGTGCAG | TGGCGTCATT | 75720 |
| TCGGCTCATT | GCAACCTCTG | CTTCCCGGGT | TCAAGCGATT | CCCTTGCCTC | AGCCTCCTGA | 75780 |
| GTGCCACCAC | CCCCAGCTAA | TTTTTGTACT | TTTAGTAGAG | ATGGTGT TTC | ACCATGTCCG | 75840 |
| CTAGGCTGAT | CTCAAAC TCC | TGGCCTCAGG | TGATCCGCCC | CCGAGTCTCC | CAAAGTGCTA | 75900 |
| GGATTACAGG | CGTGGGCCAC | GGGGCCAGC | CTTATATTAT | TTCTTTTACT | ACAATATATT | 75960 |
| AGTATGATGC | AGGTGCTTCA | ATTGTTTATA | CACTTTCCAT | AATTTTGTAT | AATTCTTATA | 76020 |
| CCCTGTCACT | CTGAGGAATA | GCCGGTCTAA | GTGTTTTTCC | ACCACTGCTA | ATTCATCCAT | 76080 |
| CACTAATCTC | ATTAGACTGT | TAATTCCCAG | AGGACATAAG | CACACAAGCA | GACAATGTTT | 76140 |
| ACAAATGTTG | GACAAATGTT | ATTTAATAAA | ACAATGGGGT | CACCCTTAGT | CTAAAAGATG | 76200 |
| TTTCACTTTT | CATTTGTCAT | TGAACTCTTA | TTGTAGGTT | CCCTTTTGAC | TTTCCACAA | 76260 |
| TCTAAGGCTG | TTCTCTTTAA | CACATATTTT | CATGAAAACA | TATATTTGAG | CAGAAATTGT | 76320 |
| TGGGGAGTTG | TAATATTACC | TTGTCCCTA | AATATGAATC | TATAATTATA | TCAAATATAT | 76380 |
| GGGCAGACAA | TTTACTTTGC | CTTAAATCTC | AAGAAAAAAA | TAGCAATTAC | TTGGGGTCGG | 76440 |
| AGAGTAAAT | AAGAAGTAGT | GAACCTTAAA | GTAGCAAACT | TTAGAACAGA | ATAGTTTCAG | 76500 |
| AGGGGATGAG | AAGAGGTGAT | TTTTCAGCTC | ATCAACAACA | GATCTTATAA | TAAATTACAT | 76560 |
| GTTCTGGTAC | TTTTCTTGTC | TTTCTGTGTT | AAATTTTGCT | ATTTAAAAAA | ATAAATTTCA | 76620 |
| AATACATTGT | TCATCTTAAA | AGTCAAGAGT | GTGTTTTATT | AAAGTCAGTT | GCTTTATTTG | 76680 |
| CAACTCAAAA | GATATATTTG | AGTTCCCAAC | TGGAGATTGT | CCTATATGGT | AACTTGCGTA | 76740 |
| AGGTATGGTT | ACTGAAAGTA | ACCTACAATT | TTCATGGGCT | GAAATTCATT | TCTATATTGC | 76800 |
| AGCGTACAAA | AATAAATAAA | TAAAAAATGC | TTGTTTTCTT | TGAAAACATA | TTATCTCAGT | 76860 |
| GCCTCTAACT | GCCAAATCTA | TTGGCTTTTT | TGCAGGCTTA | AGGGCTCTCC | CTTGTTCTTT | 76920 |
| TATGATCTCT | ATCTTGAGGG | CCAGACCTCC | TGCCTTACAC | AACTCAGAGG | GGGACCTCAG | 76980 |
| AGCTCTTTAA | AAAGAGCCCA | ATTTCTCGCC | TGTAGAGAAG | TGAAAAGGAT | GCCCCACCCC | 77040 |
| CATCTATGAA | AAGAGGGATT | TGATAGTTTC | AATGTCTTCA | AATCAAAGAT | TTAAGTCTGT | 77100 |
| AGCCCCCCAC | CACCCCGGAC | CCTAGCAAGG | CTCATGAACC | CCCTCCCATC | CCGCCCTAAT | 77160 |
| TGCTTTGGAC | TGGCCGTGGA | ATCCTTGTCC | CAGTCCACAG | TTCCTGTGCG | ACTGCACGAA | 77220 |
| GAATTCACAG | AGGACCTGTG | TTACTTCCCT | TGTGAAGAAA | CAGAATTATC | ATGAAAATTT | 77280 |
| AGGTGGAAAC | CATTTGCTTT | TTTTCTTCAA | AAATAAGGGA | AGCATGTGCC | CAACCACCCC | 77340 |
| TGGGAAAAAG | AACCTTCAGG | GGCAAAGGAG | CGAACAGGTA | ATTTATAAGA | AAAACAGAAA | 77400 |
| GTGGTCTCTG | ACTGCCCCAG | ACTTCCTTCG | GAGTTGGGGG | AATTGGGGAC | GCCTGGACGC | 77460 |

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-------|
| GTTGTTTTTTG | CGTTTGTGGA | AAAAATAAAT | GAAGAGCATG | AAGCCCGAGG | CTTCTGAGAT | 77520 |
| CCTTTCCTGA | CCAAACCCAA | GTGATTTGGT | GCGGGGAATT | TTAATATTTT | TCCCCTTTTG | 77580 |
| TGAGGTGGAA | CAAACACAAC | TTGGGAGCAG | CGCAGCGGCT | CAGAGCCTGC | CAGCCAGGCG | 77640 |
| GGCGACCAGA | GCACCAATCA | GAGCGCGCCT | GCGCTCTATA | TATACAGCGG | CCCTGCCCAG | 77700 |
| ACGCTGCTTC | ATCGGCGCTT | TGCCACTTGT | ACCCGAGTTT | TTGATTCTCA | ACATGTCCGA | 77760 |
| GACTGCTCCT | GCCGCTCCCG | CTGCCGCGCC | TCCTGCGGAG | AAGGCCCTTG | TAAAGAAGAA | 77820 |
| GGCGGCCAAA | AAGGCTGGGG | GTACGCCTCG | TAAGGCGTCC | GGTCCCCCGG | TGTCAGAGCT | 77880 |
| CATCACCAAG | GCTGTGGCCG | CCTCTAAAGA | GCGTAGCGGA | GTTTCTCTGG | CTGCTCTGAA | 77940 |
| AAAAGCGTTG | GCTGCCGCCG | GCTATGATGT | GGAGAAAAAC | AACAGCCGTA | TCAAACCTGG | 78000 |
| TCTCAAGAGC | CTGGTGAGCA | AGGGCACTCT | GGTGCAAACG | AAAGGCACCG | GTGCTTCTGG | 78060 |
| CTCCTTTAAA | CTCAACAAGA | AGGCAGCCTC | CGGGGAAGCC | AAGCCCAAGG | TTAAAAAGGC | 78120 |
| GGGCGGAACC | AAACCTAAGA | AGCCAGTTGG | GGCAGCCAAG | AAGCCCAAGA | AGGCGGCTGG | 78180 |
| CGGCGCAACT | CCGAAGAAGA | GCGCTAAGAA | AACACCGAAG | AAAGCGAAGA | AGCCGGCCGC | 78240 |
| GGCCACTGTA | ACCAAGAAAG | TGGCTAAGAG | CCCAAAGAAG | GCCAAGGTTG | CGAAGCCCAA | 78300 |
| GAAAGCTGCC | AAAAGTGCTG | CTAAGGCTGT | GAAGCCGAAG | GCCGCTAAGC | CCAAGGTTGT | 78360 |
| CAAGCCTAAG | AAGGCGGCGC | CCAAGAAGAA | ATAGGCGAAC | GCCTACTTCT | AAAACCCAAA | 78420 |
| AGGCTCTTTT | CAGAGCCACC | ACTGATCTCA | ATAAAAGAGC | TGGATAATTT | CTTTACTATC | 78480 |
| TGCCTTTTCT | TGTTCTGCCC | TGTTACTTAA | GGTTAGTCGT | ATGGGAGTTA | CTGAGGTATC | 78540 |
| AGAGACGAAT | TGGGTGACGG | GGTTGGAGAG | TGGCCGTGGT | GAGGTTACAG | CATTTAAACC | 78600 |
| TTTATTGCGG | CTTCTAGGTC | CCTGACCGGA | GGCTTTTCTC | GCTGGCGGAT | GGTTTTGGGA | 78660 |
| TGGCAGTCCC | GCCCCAGGCC | TGTGAACGGC | AGAAAAGACC | GCAAAACAAG | AGCCAGTTTC | 78720 |
| TTAGTCTAAA | GGGATGTCCG | GATTGGACTA | AAAAATTTTC | AAAAGTCCCG | CCCTGCTCCC | 78780 |
| GGGTTGGTCC | GTTCTTCTAG | TACATGACTT | TCATTCTGTA | TTTAATTGGA | TGGTGGAAGA | 78840 |
| CGTTGCTTAT | TCTGTGTTTT | TTGCTTTACT | GTGACTTAAA | AGTTTTCGCT | CTTTTCTCTT | 78900 |
| TATATTAATG | TCTGGGATTT | CGGACGCTTT | CCATGTTGTT | GGTAGTCAAG | TTGATGTCTC | 78960 |
| CTGGAGGTAG | TGGCAACATC | CAGCCCTGGG | AGGAGAGTGC | GTGCAGGTAC | CTTTGTCCTA | 79020 |
| CATTCCTCTG | CTGTTAATTT | CTCATTCCTG | TGGCAACGAA | GGAATGCATT | TAAAAACAG | 79080 |
| CCACAACAGC | GGCAATAGCC | CTTCCTCCAC | CCAAGGCAAT | CGTGGACCTA | GGGAGTTTTT | 79140 |
| TGTGCCACAT | AACATGTAGC | CTTCCGCTAA | ACTGACAGGT | TTGAGCGTAT | CGATTTTGAG | 79200 |
| CGTATCGAAA | GCACAACTTT | TAGCCAGCCA | TTTTGTCTCT | GCATGACTAC | GGTTGCTTAT | 79260 |
| CCTGTTTAGA | CAGACAGCAA | CATTTAAAAA | TCGAAGTTCC | TTTAAACGTA | TTTTGTTTGG | 79320 |
| CAGTCCAAAT | GTTTCTATGC | AGAAAACAGT | ATTTGTACTA | TTAACTATGA | AGAGTGTATG | 79380 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-------|
| GATAAATGGG | AGACATTTCT | AATAAAGGCC | TTCGTTAATG | GTTCCCTCTG | TTTGACATCC | 79440 |
| ATGGTGCTTC | TGAATACAGA | AAGCCTAGCG | TCTTATATTC | GCTTCTTTTA | AAATCTGGTG | 79500 |
| GGCACATTTT | GGTGAGACCT | AAATTATGGG | GACTGGGGCT | TCTGGAGATA | AGCTGCTCAA | 79560 |
| TTATTCTACC | ATCTCCACAA | TGATTAATAT | AGTGAGTTGA | TTTGTTAGTG | ATAGTGACCA | 79620 |
| CGGATTCATC | CCAAGAAAAG | GAAAGGGGAG | GGAGGCAAGC | AGAGAGACAG | GAAGACAGAG | 79680 |
| GCAGGGAAGA | AGGAGAAAAC | ATTCTCCCAT | GGTTTAAGTA | ATTTTGTGTT | GTTAATTTTA | 79740 |
| CATTACAACA | CGGTTTAACA | TGGTGAACCC | TCTATTTTGG | TGTAAGGTTT | AACATATGGA | 79800 |
| CATATTTTTT | CCAAGACCAT | TTATGAACTT | TCATTTCTGC | TTCCCCCTTC | TTCTCTCCGT | 79860 |
| GCCACCCTCC | ACGCTCCTAT | CAATTTTGGC | TGTTTTGTCA | TAGGCTAATA | CGCTATAATT | 79920 |
| TCATGGACAG | TTGGACTGTC | TTAGGTTTCT | CAGGTTTCTA | TTTTGTTCCT | TTAGTCATTC | 79980 |
| CCACAATTCT | TAAGGTAGAA | TTGTATTGTT | TTAAACATTG | TGTTGTGTGC | TATCCTCAAT | 80040 |
| GCTGAGATGA | TTATGTGACA | AATGGCAAGT | GTTCAACTAA | TACCTAAATC | TGTAGTATCT | 80100 |
| TATCAAGCCT | AATGCTACTT | CACAATGCCT | ACTCCATTCA | CCGCACTTTA | TCTCATTACT | 80160 |
| GGCATTCTGT | CATCTCACAT | CATCACAAGT | AAAACGGTAA | GCTATTTTGA | GAGAGATCAC | 80220 |
| AGTCATATAA | TTATATTTAT | ATTTATTTAT | TTATTTATGA | GACGGAGTTT | CCCTCTGTCA | 80280 |
| CCCAGGCTGG | AGTGCTGTGG | CACGTTCTCG | GCTCACTGCA | ACCTCCGCCT | CACGGGTTCA | 80340 |
| AGCGATTCTC | CTGCCTCCGC | CTCCCGAGTA | GCTGAGATTA | CAGGGGCCTG | CCACCATGCC | 80400 |
| CGGCTAATTT | TTGTATTTTT | AGTAGAGACG | GGGTTTCACT | AAGTTGGCCA | GGCTGGTCTC | 80460 |
| GAAGTCCTGA | CCTCAGGTTA | TCCGCCACCC | TCATCCTGCC | AAAGTGCTTA | GATTACAGGC | 80520 |
| GTGAACCACC | GTTACACAGC | TCAAATCATT | TTTATTACAG | TATATTGTTA | TAATTGTTGT | 80580 |
| TTTATTATCA | GTTATTGCTA | ATCTCTTACA | GTGCCTGATT | TATAAATTAA | ATTCATCATT | 80640 |
| GCCATGTGTA | TATAGAAAAA | AACAGTGTAT | ATACGGTTCA | GTACTATCTG | TGGTTTCAGG | 80700 |
| CATCCACTGG | GGGTGCAGTT | TATTAACAT | GCATTTACAT | TAGTCTCCCC | TTTGGGAGAC | 80760 |
| TAATTAAGTG | AGATGTTGTA | ACGTGACTTT | AATAGCAGAT | AGAGCTAATT | TTCTCTCATT | 80820 |
| ACTCTTCTTT | TTCAGAATTT | TCCTGGTTAT | TCCATTTTTT | ATTTTTCAT | ATGTATATTA | 80880 |
| AGATCTCTTC | CACCTCCTCC | TGTTTCTCCA | TCTCAACATC | AAACAATTAA | AAAAAAAAAA | 80940 |
| AAAGGCTGGG | CGCGGTGGCT | CACGCCTATA | ATCCAGCTC | TTTGGGAGGC | CTAGGCGGGT | 81000 |
| GGATCACGAG | GTCAGGAGTT | CAAGACCAGC | CTCGCCAAGA | TGGTGAAATC | CCGTCTCTAC | 81060 |
| TAAAAGTATA | AAAATTAGCC | AACCATGGTG | GCAGGCGCCT | GTAATCCCGG | CTACTCGGGA | 81120 |
| GGCTGAGGCA | GAGAATTGCT | TGAACCCGGG | AGGCGGAGGT | TGCAGTGAGG | CGAGACCTTG | 81180 |
| CACTCCAGCC | TGGGTGACAC | AGCGAGACTC | CGTCATAAAA | AAAAAAGCCG | GAAGCAGTGG | 81240 |
| CTCACGCCTG | TAATTCCAGC | ACTTTGGGAG | GCTGAGTCAG | GCAGATTACC | TGAGGTCAGG | 81300 |

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|------------|-------|
| AGTTCAGGAC | CAGCCTGGCC | ATGAAAATAC | AGCCTGGCCA | TGAAAACACA | CAATAAATTA | 81360 |
| GCTGGGCGTG | GTGTCACACA | CCTGTAATCC | TAGCTACTCG | GGAGGCTGAG | ACAGGAGAAT | 81420 |
| CACTTGAACC | CAGGAGGCAG | AGGTTGCAGT | GAGTTAAGAT | GACGCCACTG | CACTCCATCT | 81480 |
| GGGCGACAGA | GCCAGACTCT | CTCTCAAAAA | ACTAAATAAA | TAAAAATAAA | GTTATGGTAC | 81540 |
| ATTGAAC TTC | TGTGTTCC TT | TCTCCCTTAG | ATACTTTTCAT | GGCTACCCAT | TTAATTGATG | 81600 |
| TTCTTATCAT | CTCCAAGAGT | TAGTCAGGAG | AGGAATCAAC | CCAAGCAAAA | ATAGCTGATT | 81660 |
| TTCTAATTTT | CCTTCAATGC | CCTTTGGGGT | CTTAATCCAT | TTGATTTATG | TACTTTCAAT | 81720 |
| TAATCCTAAC | CTCGAATGTC | TTCTGCAAAAC | ATGTTTCCAC | AGATGAAACT | CGTCAAATGA | 81780 |
| AACACATTCC | TTTAATTTAT | AGAGTTAAAA | ATTAGAAAAA | TTTTCAATTC | TATTTGGCCT | 81840 |
| TTAGATTCAG | TCTTGCATAT | GTTTTCTCAA | TTTTGTTCAT | GCTCTTTAGT | TTTGTTTTAT | 81900 |
| TCCATCACAA | TTGTTCCACAT | AGCTTACTGG | CTTAGGTCTA | ATGAACCATT | CATTTGGAAA | 81960 |
| TTAAAATTGG | CCATTTTAAG | ATGAAAAAGA | TTCTTGCCTC | AATTTTACTT | AGTTTTTGAA | 82020 |
| ACTGTCAATG | AGGACACATG | TTTTTCTGTA | CTCTTAGATT | CACTAAGTAG | TGTCTTGCAA | 82080 |
| ATTTAACTGA | CAAAGGACAG | ATTAACATGC | GAAAAA AAAA | GCATGCAATT | TTATTAGTAT | 82140 |
| ATTACATGCA | CAGAGTTCCC | AAAGAAAAAA | AAATTGAAAC | CTTAAAAACG | CGGTTAGACT | 82200 |
| CACAGACTTA | TACACCATT C | CAACAAAGGA | AAGGGAGTTT | GCACTTCATG | GGATGACGAA | 82260 |
| TTTGGAATG | TGACAAGGAA | ATAAATACAT | GGGCAATAAA | AACCATGGAA | GATAAAATGA | 82320 |
| AAGATAGAAA | TAATTG TAGT | AAGGTTTGTT | TTTGCAGAGT | CATCTCAGTG | CCAACCTTCC | 82380 |
| ATATCTAGTG | ATAAGAA TTG | CTCTCTTTTT | CCTGGTATAG | CAGTTGGGGA | CACTTTTACA | 82440 |
| AGGGAAATTT | CTGTCACCTT | CACAAAGGGA | AATTTGGGTA | AAGAGAAGAC | AGAGACCTCT | 82500 |
| TCCTACACCT | GTTGATTTTC | AATTGCCTTC | AGCTGAAAAT | AACTTTTATG | CCAAAGTAGA | 82560 |
| ATAATTTGGG | GGTGACATCC | TGATATTCTT | CAAACTTAT | ATTTAATTT C | ACATTAGTAA | 82620 |
| TTATATCATT | TTTGATTTTT | AAATTAGTTT | TATAAAATAA | TTTTGAAAAA | CGGTAATAAT | 82680 |
| ATTCAAATAA | TTCCAGAAAC | ACTGCTGATA | AGCCAAAAAC | ATCAATGAAT | ATTGCATAAA | 82740 |
| CAACTGATAA | TTCAACCATG | AAAATTTATG | ACATTGTTCT | TGTGTGATAA | AACTATGAGT | 82800 |
| AACATAAAAA | CTAGAGGCTA | CTTGTAATGC | ATTATTCCAA | ACTTTCTGTT | TTTTATTTAT | 82860 |
| TTATTTATTT | ATTTTGAGAC | ATAGTCTCTC | TCTGTCACCC | AGGTTGGAGT | GCAATGGCGT | 82920 |
| GATCTTGGTT | CACTGCAGCC | TCCACTTCCC | CGGTTCAAGC | AATTCTCCTG | CCTCAGCCTC | 82980 |
| CTGAGTAACT | GGGATTACAG | GCACCTGACA | CCAAACCCGG | CTAATTTTTT | TGTATTTTTA | 83040 |
| GTAGAGACGG | GGTTTCGCCA | TGTTTGCCAG | GCTAGTCTCG | AACTCCTGAC | CTCAGTGATC | 83100 |
| CACCTACCTC | GGCCTCCCAA | AGTGCTAGGA | TTACAGGCGT | GAGCCACCAT | GCCCGGCGCA | 83160 |
| TTATTCCAAA | CTTTCATACA | CAGTGCTATC | ATGGCTACAA | ATTGAAGTAT | CATATTATAC | 83220 |

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|-------|
| ACTCCTAGGC | AAAGCTCTGG | ATATTTTGGC | TATATAAGCC | TGAGGGAAAT | GTAAGTAAGGA | 83280 |
| CATTGTGGTT | GAAATTCATA | CCAGAGATGA | ACAGGCCCCAG | TGCAAGACAG | AATTACATCA | 83340 |
| CTAAAGGATA | TCAGAAGAGA | ATAGGGATTT | AGGGTACAGT | GGCAACAACA | GTTTTGGGAA | 83400 |
| CTAGCATTTT | TTGAGCACTT | ATTTACAATA | TGCCAAGCAC | TGTTGCTGAT | TACTCTATAT | 83460 |
| TTATTTTCAA | ACACATTCTT | GTCACAGCAC | TTTGAAGTAA | GTGCCATTGT | CATTCCCCT | 83520 |
| TCAGGGTGAA | GGACTAAAGC | TTGGTGTCT | TAAGGATGTA | GCTAGTTAGC | TGTGTGTGTG | 83580 |
| TGTGTGTGTG | TGTGTGCATT | TTTTTTTAAA | TTTAAAGTCA | ATAAATTTTT | ATTTGAAGAA | 83640 |
| TTTCACATCA | AGGTAACTT | TGTTCCCTCTA | AAGAGCTGGA | GTCAAAATGT | ATCTTCAAAA | 83700 |
| GATTCATCTT | CAAGTTAGCC | CTTCTTAATA | GAAGTATGTC | TTAATCCACA | GTTGTCAGCC | 83760 |
| CACAGTTCTT | TTATTTTGAC | TTTTTTTTTT | TTTTTTTTTTG | AGACGGAGTC | TCTCACTGTC | 83820 |
| ACCCAGGCTG | CTGGGCAGTG | GCGTGATCTC | GGCTCGCTGC | AACCTCTGCC | TCCCGGGTTC | 83880 |
| AAGTGATTCT | CCTGCCTCAG | CCTCCTTAGT | AGCTGGGACC | ACAGGCGCAT | GCCATCGTGC | 83940 |
| TCGGCTAATT | TTTGTATTTT | TATTAGAGAC | AGGGTTTCAC | TATGTTGGCC | AGGCTGATCT | 84000 |
| CAAACCTCTG | ACCTCATGAT | CCGCCTGCCT | TGGCCTCTCA | AAGTGCTGGG | ATTACAGGTG | 84060 |
| TGAGCCACTG | CACCCGGCCT | TATTTTGCCT | TCTTTAATCT | CCATTTGAAC | ATGGACATAC | 84120 |
| TGATGAAAAC | TACAACATTC | TTCAACAAAA | ATCTTTGGGA | TTTAATTTCT | TCAACCACTT | 84180 |
| TACTTTGGGG | TCATTTTAAG | ATTAGGTGTA | TCTGCCTGGT | TCTCAATTTG | ACACCCTTTC | 84240 |
| TCTCTAAACA | TGAATGAGTT | CCAATCATAT | TTATTCCTAA | GCTATCACAC | TCAAATATAC | 84300 |
| TACAGATCTG | TGGAATATGC | CAAAAAGTTAA | GGTGAAAAAT | TAAATTATTA | GGTATTTTCT | 84360 |
| AGTTTTGCTA | GTTTTTGATC | TGTGAGTGAA | TATAACTATC | CTCTATGTCC | TGGCACTGTT | 84420 |
| CCTCAGAAAC | ATAGGGTCCA | CATATGTAAT | TTTAAATTTT | TTAATAGGCA | CATTTTAAAA | 84480 |
| AGTGGAACAA | GAAATCTATT | TTAATGATTT | GAATCCAGTG | TAACCAACAA | TTGTTTCAAC | 84540 |
| AAGGTATCTA | ATATTAAAAAT | ATTGAGTTTT | TACTTTGTTA | TTTTACTAGG | TCTTTGAAAT | 84600 |
| CTGGTGTGTA | TTTACTACTT | AAAGCACATC | ACAGTTTGGA | GTAAGCCACAT | TTCCAATGCT | 84660 |
| TAATACTCAC | ATATGGTTAG | TGGCAACTAT | CTTGGACAGG | ACAGCTTTTA | TACTCTGGGA | 84720 |
| AGACACAAGC | AAATACTTGC | TCTGCAGCAG | AATCCAGATG | TTTTCCAAGA | AAACACTTTT | 84780 |
| TCTGACCTGT | TCGTGAAACC | CAGGTAGTGT | CTCTAATACT | TTATATTTTA | TTGGTTTGTG | 84840 |
| CTATTGTAAC | CACCCAACGG | GCTCTCCTTG | TCCACTTCCT | AGACAGAGCT | GATTTATCAA | 84900 |
| GACAGGGGAA | TTGCAATAAG | GAGCCAGCGC | TACAGGAGAC | TAGAGTTTTA | TTATTACTCA | 84960 |
| AATCAGTCTC | CTTGAGAATT | TGGGGACCAA | AGTTTTTAAG | GATAATTTGA | TTGTAGGGGA | 85020 |
| CCAGTGAGTC | GGGAGTGCTG | CTTGTTTGGG | TCAGAGATGA | AATTATAGGG | AGCCTAAGCT | 85080 |
| GTCCTCTTGT | GCTAAATCAG | TTCTTGGGAG | TGGTGGGGTG | GGGGACTCAA | GACCAGATAA | 85140 |

| | | | | | | |
|------------|------------|------------|------------|-------------|------------|-------|
| TCCAGTTTAT | CTATATGGGT | GGTGCCAGCT | AATCCATTGT | GTTTCAGGGTC | TGCAAAATAG | 85200 |
| CTCAAGCATT | GATCTTAGGT | TTTAAAATAG | TGATTTTATC | CCCAGGAGCA | ATTTGAGGTT | 85260 |
| TAGAATCTTG | TAGCTTCCAG | CTGCATGACT | CCTAAACCAT | AATTTATAAT | CTTGTGGCTA | 85320 |
| ATTTGTTAGT | CCTGCAAAAG | CAGTCTGGTC | CCCAGGCAGG | AAAGGGGTTT | GTTTCTGAAA | 85380 |
| GGGCTGTTAT | TGTTTTTGT | TAAAAGCAAA | AGTATAAACT | AAGCTCCTCC | CAAAGTTAGT | 85440 |
| TAATCCCAAA | CTCAGGAATG | AAAAGGACAG | CTTGGAGGTT | AGACGTTAGA | TGGAGTCGGT | 85500 |
| TAGGTAAGAT | CTCTTTCAC | GTAATAATTT | TCTCAGTTAT | GATTTTTGCA | AAGGCAGTTT | 85560 |
| CACTGTCCAC | TTCACCTCAC | ATCAGGCCTC | TGACTAGAGG | ATTCCAACAA | TACTTAGGCC | 85620 |
| AGGACACCAC | CATGTCTCCT | TATCCACCCT | GAGGGATTCC | AATTTCTGAA | ACAAAGGAAA | 85680 |
| CTATATATGA | TAGTATGAAA | CTATATATGA | GAAGGAAATT | ATATATGATA | ATCAATTTTA | 85740 |
| GGGTTATCTT | ATTGATTAGA | AGATATTAAA | GTGTGACACT | GCCTGGCAAT | GATATCTGCT | 85800 |
| GGTAGTAAGA | ATTTGGCGAA | TTTAGTGAAA | TTCCTGAGGC | TGAACCTCCA | CTTCTGTAAA | 85860 |
| ATGGAGACAG | TGAGATAATT | TGCCTTACAA | TGCTGAAGTA | AGAATTTTAC | ACAATAATTC | 85920 |
| AGACCAACCA | CTTCATGTGG | TACTTGGCCC | GTGGAAGACT | ATCAATGACA | GTTAGTTTAT | 85980 |
| AGTTTATACT | ATTAATGAAT | CCTTTGTTTC | ATTGTTATTT | CCTTCTACAC | GTTGGCCTCT | 86040 |
| CTAAAAGAAG | GTAATATTCA | ATACAAATAA | AGTTAAAACA | GCTTGCAGAG | TTGTCCCAGG | 86100 |
| GAACTCACTT | AACCACTGAA | GTGTTCAAAT | TGCTTAAGGT | TGACTTTATA | TTCTCCTGAC | 86160 |
| TAACCTTTCT | CCTTCTGGTA | TTTCTTCTGA | GAACAGCACC | ACCATCCAAA | GCATCATGCA | 86220 |
| AACAGTGGTC | ATCCCAGACC | AGTAATTCTC | AACTCACAGG | GTGCTCCTGC | AGAGATGTAT | 86280 |
| TTGAATAGAG | TGGTAGGATG | CTGAAGAAGG | CCACGTAAAA | TTTGGCCAGT | GATCTGGGGC | 86340 |
| AGATTTATCC | TGAAGCTAAT | GAAACACAAG | TGTAAGGGCC | TGTACTTCCA | AGGTGCAGAG | 86400 |
| AGGGGCCCTA | CAAATGTGTT | AGTTTGTCTC | TCTCTCTCTC | TCTGATTTTA | AAATTTGCAG | 86460 |
| TATTAAGGTA | CTTTAATCAC | GGATGGTTCA | GGCTGCTATT | TTCACTCAAT | CCTCCTTTTT | 86520 |
| ATTAAAATCA | CCATTGTCTG | ATTATGTTAG | AATCCTGATG | AAAATATTTG | GAATTTGAGT | 86580 |
| AAGAGAAAGT | TTAGTTGAAG | ATGTATCTAG | TATGGGGATA | ATAAGTTACG | TGATTTGCAT | 86640 |
| ATGTGATCAT | GTGTACTTCA | TTCGTTGCCA | GCCAATCTGA | CGTAAGAATG | GCTTCAAGGA | 86700 |
| GGCCGGGCGC | GGTGGCTCAC | GCCTGTAATC | CTAGCACTTT | GGGAGGCCGA | GACGGGCGGA | 86760 |
| TCACGAGGTC | AGGAGATCGA | GACCATCTTG | GCTAACACGG | TGAAACCCCG | TTTCTACTAA | 86820 |
| AAATACAAAA | AATTAGCCGG | GCGTGTGGC | GGGCGCCTGT | AGTCCCAGCT | ACTTGGGAGG | 86880 |
| CTGAGGCAGG | AGAATGGCAT | GAACCTGGGA | GGCGGAGCTT | GCAGTGAGCC | GAGATCGCGC | 86940 |
| CACTGCACTC | CAACCTGGGA | GACACAGCGA | GACTCCGTCT | CAAAAAAAAA | AAAAAAGAA | 87000 |
| TGGCTTCAAG | GAATGTTTCT | ACTGCTCACT | GGAATAACTC | ACCTAAATTC | CTGGCAAGAT | 87060 |

| | | | | | | |
|------------|-------------|-------------|-------------|------------|------------|-------|
| GCAGGTCTAG | ATAAAAATGTT | ATGACATCTA | AGTATTCAAA | ACACATTCCC | AGCACTGAGA | 87120 |
| GTGAGTGTCT | AGTGGAGAGT | AGAAACGTAT | AGAGCCAGAA | GCTAGTCTGG | AAAGAATTCT | 87180 |
| TACAAAGTTT | ACAACTTACA | TGTGAAAGGA | GCTTAACAGA | GGATTTTCCA | AATTTGAAAA | 87240 |
| CAATCCTAAA | AACTTACTTG | ACATTACCAA | TAATGTGTTT | TGAAACTGAA | ATACTTCTAA | 87300 |
| GTTATGAAGA | AAACATATTA | TCATCAGCCA | CCCTGGAGGA | AAGATTGAAT | TCTATTTCCA | 87360 |
| TTACCTATAG | ACAACATTAC | AAAATAATTT | CGATCTGAAG | ATGGAATCAG | AGTATTCAGT | 87420 |
| CAAAACTACA | GGAAAATATA | CTTGGTAGTG | TCATATTCAG | AAGTTAATAA | AATATGCTAT | 87480 |
| TTTCTGAATT | TTGTGATGGC | TGTTGTTTTG | TCAGCTTTTA | TAAAATTGGA | ATTTGATTTT | 87540 |
| ATTTTCCCAT | TATAAATTTA | TATTTACAGT | CTGCACTACT | TTTGCATTTT | TAATTTTACA | 87600 |
| TTATAGCTTT | TAATAGTTAA | CAAGTTGTAA | AAGGTTTGAT | CCCCAGAAAA | CCTTGATCTA | 87660 |
| CCCCCTCAGT | TAAGTATACT | AATATATTTA | GAAAATGGAT | GAAATCAGCA | TTTGAATATT | 87720 |
| TTTAAATATT | TATTAAGA | GGACATGGGT | AAAAGAGCTT | TGCAGTTGCC | ACCCTTCATT | 87780 |
| CTCAAATTCC | CTGGATAAGG | ATGACCGCAT | AATCTTTGGA | TGGTCATACG | CAAGTCTTGT | 87840 |
| GTATTTGTTA | CATAAATCTA | TTTAGTGGAC | TTTGGCAGT | GTGTACTGAG | GCCAGTTTCT | 87900 |
| TCCACCTGAG | CTCTGACTCC | ACCTCCAGCA | GCCCCAAAACC | AATACTGAAT | TTTGGGGTCA | 87960 |
| GCTATTGTTT | TTGTGGACTT | AGGTAACCTAC | ACACACATTG | TCTTTATGAT | AGCTTTAATA | 88020 |
| ATACTGCCAT | CAGAACTAAA | ATTGTCACGT | GGATTAAAAG | GAGTGACGGT | GGTGTCCCCA | 88080 |
| GGAGCCTTTC | AATATGTAAG | TATTTACACA | TATACATGCT | AAAAAGACCC | CTAGGAATTT | 88140 |
| TTTTAACAAG | GGCAAAACAG | TAACCTCAGCT | TGTTTTCTCG | CAGTAAAACC | GGTTGAAAAG | 88200 |
| GCCTGATAGA | CTTGTCTGCA | GTTACAAAAC | TTGTGTGTAG | TTATCACCTT | TATATCTCCT | 88260 |
| GGAAACTAAC | ATAGACAACC | GAATGGGTTA | CAACTGTTTT | TAAGTGAAAT | TGTGAGTGGC | 88320 |
| TCTGAAAAGA | GCCTTTTCAA | TGAGGAAGAA | ACGGGCAGAC | TTATGCCCTT | TCCCCACGGA | 88380 |
| TGCGACGTGC | CAGCTGGATA | TCTTTGGGCA | TGATGGTGAC | GCGTTTAGCG | TGAATAGCGC | 88440 |
| ACAGATTGGT | GTCTTCGAAG | AGTCCCACCA | GGTAGGCCTC | GCAAGCCTCC | TGCAGCGCCA | 88500 |
| TCACCGCAGA | GCTCTGGAAA | CGCAGGTCCG | TTTTGAAGTC | CTGGGCGATT | TCTCGCACCA | 88560 |
| GGCGCTGGAA | CGGCAGCTTC | CGGATCAGCA | GCTCGGTGGA | CTTCTGGTAG | CGACGGATTT | 88620 |
| CGCGCAAGGC | CACGGTGCCC | GGGCGGTAGC | GATGAGGTTT | CTTCACGCCA | CCGGTGGCCG | 88680 |
| GAGCGCTCTT | ACGGGCTGCT | TTAGTAGCAA | GCTGCTTGCG | CGGAGCTTTG | CCGCCGGTAG | 88740 |
| ACTTGCGAGC | TGTTTGCTTC | GTACGAGCCA | TTTGCAATGA | GAGCACACAC | AAAAGTGTAG | 88800 |
| TGAACTGAGA | GCAAGTGGCC | TTTAAATATA | GTGAGAAACA | TTCTGATTGG | TCCTGTAATA | 88860 |
| TTTCAAAAGT | CCCGCGCGAT | AAAATCATTG | GCTGAAGAGT | GACCAGACTG | ATTGGTTCAT | 88920 |
| TACTAGACAA | TCTTATTGGA | TGAGTTGCCC | CACCGCCCAT | CCTGTCCTTT | TCGTTTCAGT | 88980 |

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|-------|
| TATCTGCAGC | GACAAATTGT | CTAAAATTCT | AGTTCATCCA | GTCCCAAAGA | ACAGAGTGTA | 89040 |
| TAACAAGGTA | TCTAAGGATT | TTTAAATGT | AAATTCCGAT | TCAGTAAGTT | TGAGTGGGAC | 89100 |
| TTGAAATTCT | GCATTCTGA | CAGTCTCGCA | AGTTATCAAT | GCTGGTGAAC | ACTCACTAAA | 89160 |
| CCACCAGAAA | CGTTCAGACT | CATGTCGGGA | AATAACGCTT | ATATTCAGAG | AATGAGATTC | 89220 |
| CATGCTATTT | TGTTACTGGC | GAACAGCAAG | TTTCCTTGCC | CTTTGTTTTT | TAAGTCCAAG | 89280 |
| TCACATTCCC | ACCCTGCCTG | TTCTCAAAAT | GTCTTATTTT | GGTTGGCCTT | AAGTTTCACT | 89340 |
| TTGTATACTC | TAAAATGTAC | TTTCTAAAGG | AAGGTGTTAT | TTTCTCGAAA | CTTAACTTTT | 89400 |
| TAACACCATT | AGGCTAGGGG | GGCGGTGGCT | CACGCCTGTA | ATCCCAGCAT | TTTGGGAGGG | 89460 |
| CGAGATGGGA | CGATCACTAG | AGGCCAGGAG | TTCAAGACAA | CCCTGGCTAA | AATGGTGAAA | 89520 |
| CCCCGTCTCG | CATAAAAATA | CAAAAAC TAG | CTGGGCGCGG | TAGCAGACGC | CTGTAATCCC | 89580 |
| AAGTACACAG | GAGGCTGTGG | CATGAGAACC | GCGTGAAGCG | GCGGGGTGGA | GGTTGCAGTA | 89640 |
| AGCCGATATC | GCGCCGCTGC | ACTCCAGCCT | GGGTGACAGA | GCTAGACTGT | CTCAAAACAA | 89700 |
| ACCAATCCAA | ACGAAAAGCA | AAAAATACCC | TAACAGAAGC | AAGTTATCAT | CCTTTCTTGT | 89760 |
| GTAACATATG | ACGGCTCTGA | AAAATGCCGT | TTCAAGTGTA | AGCTACGTTT | TCTGATTGTA | 89820 |
| GTGTTTACTT | GACCTTGGCC | TTATCGTGGC | TCTGTTATTT | TGGCAACAGG | ACGGCCTGAA | 89880 |
| TATTGGACAG | GACGCCTCCC | TGAGCAATAG | TGACGTTGCC | CAGCTGCTTG | TTGACCTCCT | 89940 |
| CGTCGTTTCG | GATGGCCAGC | TGCAGGTGGC | GGGGGATGAT | GCTGCGGGTC | TTGTCACGTA | 90000 |
| TGGCGCTGCC | CACCAGTTCT | AAGATCTCGG | CGGCCAGGTA | CTGTAAGTAC | ACTGGCGCAC | 90060 |
| CGGCTCCGAC | CGGCTCAAAA | TAATTGCCCT | TTCGAAAAAG | ATGACGGAAT | CTGCCCTATT | 90120 |
| GGGAAGTGCA | AGCCCGGTAG | CGACGAACAA | GTTTTTGCTT | TAGCTCCATT | TTCCACGTCC | 90180 |
| GCAAAATAGC | ACCTATGAAA | GCAGCGGAAA | ACTGTGAAAG | ACAAGCAAGC | TGGAATGGCG | 90240 |
| CCTGAACAAA | TCCTTTTATA | CAAACTGCAA | GGCTGCAATA | GGAAGCTATC | CTATTGGTCA | 90300 |
| ATTATGTTTG | GTGCTTTATC | CAATAGAAAA | AGATAACATA | AATTCCATAT | TTGCATAAAC | 90360 |
| CCCACCCCTC | AGTGAAACCG | TGTTTCTTTT | GTCCAATCAG | AAGTGAGGAA | TCTTAAACCG | 90420 |
| TCATTTGAAT | CTCAGGACTA | TAAATACATG | GGCTCTGAAC | TGTTCTCTGT | ACTACTCTGT | 90480 |
| AGTGGAGAGT | GTTAGTAGCT | TTTCTATTCT | GTTTAGGAAT | AGCAATGCCT | GAACCCTCTA | 90540 |
| AGTCTGCTCC | AGCCCCATAA | AAGGGTTCTA | AGAAGGCTAT | CACTAAGGCG | CAGAAGAAGG | 90600 |
| ATGGTAAGAA | GCGTAAGCGC | AGCCGCAAGG | AGAGCTATTC | TATCTATGTG | TACAAGGTTT | 90660 |
| TGAAGCAGGT | CCACCCCGAC | ACCGGCATCT | CATCCAAGGC | CATGGGGATC | ATGAATTCCT | 90720 |
| TCGTCAACGA | CATCTTCGAG | CGCATCGCGG | GCGAGGCTTC | TCGCCTGGCT | CACTACAATA | 90780 |
| AGCGCTCGAC | CATCACCTCC | AGGGAGATTC | AGACGGCTGT | GCGCCTGCTG | CTGCCTGGGG | 90840 |
| AGCTGGCTAA | GCATGCTGTG | TCCGAGGGCA | CTAAGGCAGT | TACCAAGTAC | ACTAGCTCTA | 90900 |

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|-------|
| AATAAGTGCT | TATGTAAGCA | CTTCCAAACC | CAAAGGCTCT | TTTCAGAGCC | ACCTACTTTG | 90960 |
| TCACAAGGAG | AGCTATAACC | ACAATTTCTT | AAGGTGGTGC | TGCTGCTATT | CTGTTTCAGT | 91020 |
| TCTAGAGGAT | CAACTGGAAT | GTTAGCGAAG | ACAAGTTTTA | GAGCCAAGGT | TAAC TTGGAC | 91080 |
| GGGGCCGTGC | GCGGTGCCTC | TTGCCTTTAA | TCCCGGCAAT | TTGGGAGGCC | GAGGCGGGCG | 91140 |
| GATCACTTGA | GGTCGGGAGT | TCGAGACTAG | CCCGGCCAAC | ATGGCGAAAG | CCCGTCTCTA | 91200 |
| CTAAAATACA | AATGATAGAC | GGTCGTGATG | GCGCTCTTTC | TCATCTGTCT | TAGCAAAC TT | 91260 |
| CTTTGTTCCC | CCTGGGTAAG | CCTTCGGGTA | CTATGTATAA | TTCCTTTGAT | AAGGTCACTA | 91320 |
| CTCCCTCCCT | GGTCTAGTAC | AGGAAACTTC | CCTTCTGGA | TAATGAAGCA | GGTAATGGAA | 91380 |
| TTCAGGGTAT | AGTGTTCCCTG | TGGGGGT CAT | TAGCCGTTAA | CTTCTTG TGA | GATGCGGGGG | 91440 |
| AGGGGAGCAG | AAAAGTCTAA | GCGACAAAAG | GGCATGTAGG | GATATTTGCT | CCTGCAGCTT | 91500 |
| GCCTATGCTG | TAAATTCCTA | CTTCAAGTAT | TGAGGAAACA | ATAAGCGAAG | TCTGATTTCC | 91560 |
| CGGGCGCCTT | TATACGGAAT | ATTTCCCGCT | CCACAAAATG | AAATCGCAGT | AGTTTTGAGT | 91620 |
| TATAATTGTT | TATCAATGAC | AACAGCTATG | TAGTTTACAT | ATTT CATGCA | TCCCAGAAAT | 91680 |
| CCAGATTCCC | ATTTCCTAAG | CCACTTAACG | TTCTGATTTT | CAGCTCTGCG | AGATACAAAA | 91740 |
| GGGTTTGGAT | TTTGTGCCCT | TCCCCATCTG | GCGCCACTGC | AAAGCTTACT | AGGAGGGCCC | 91800 |
| CACTTGAGAGA | GGGAAATCTT | TTTCGAGAAG | TCCAGGACGC | CAAAAACAAT | ATAGCTAAAA | 91860 |
| AAAAAAAAAA | AAAAAAGGCA | GGAAGAGCAC | TAGTTGAGGA | GGAGGACTCA | ATGGGCCAAT | 91920 |
| TCTGGGGCTG | GGGCTGGGGG | AAGAAATGCA | AGAAGAAAAG | ACACTTGTTG | ACTGCACAGT | 91980 |
| AAGCAGGAGG | GGGTGGGGGA | ATCGGAGGGG | AGTATTTTCA | GCGAATTTAT | GGGCATTATA | 92040 |
| TGTAGGTGAC | ATACAGCAGT | GTCTTTGGAT | GAAGAAATAA | AGTTTCTCAA | ACAGTTCTTG | 92100 |
| TTTTTGTTTT | GAGAAAGGGC | CTTTCTCTGT | CGGCCAGGCG | CCATCATAGC | TCACTGCAAC | 92160 |
| CTCGACTTCC | CCAGCTCAAG | CGATCCTCTT | ACTTCAGCCC | CTTGAGTGGC | TGGGACTAGA | 92220 |
| GAAATGCACC | ACCATACCCA | GTTAATTTTT | TAATTTTTTG | TGGAGGCAAA | GGGTCTTACT | 92280 |
| TTGTTGCCCA | GGCTGGTCAA | GCGAACTCCT | GGGCTCAAAT | GATCCTCCCG | CCTTGGCCTC | 92340 |
| CCAAAGTCCT | GGGATTATAG | GAATGAGTCA | CCGCGCCCGG | CCCAGATTTA | ATTTTTAAGA | 92400 |
| ATCTTTTAAA | AGAGGTTCTG | GGCCGGGTGT | GGTGCAGCTC | ACGCCTGTAA | TACCAGCATT | 92460 |
| TTGGGAGGCC | AAGGTGGGAG | GATCACTTGA | GCCCAGGAGC | TCAAGACCAG | TCTGGGCAAC | 92520 |
| TTAGTGAGAC | CTTTTGTCTC | CACCAAAAAT | TTAAAAAATT | AACCAGGCCT | GGTGGCACAT | 92580 |
| TTCTGTAGTC | CCAAGTACTG | GGGAGGCTGA | AGTGGGAGGA | TCATTTGAGC | CTGGAAGGTG | 92640 |
| GAGGTTGCAG | TAAGCTGTGA | CGGCACAACT | GCACTCCAGT | CTGGGTGAGG | ACAGACCCTG | 92700 |
| TCTCAAAAAT | AAAAAATAAA | AAAAAATCTG | GATGCCACAC | AAAATGTCAG | TGAACAAC TG | 92760 |
| TAAGTGAAGC | ACTTCCCATC | CTAGTACTGT | ATATGCAAAC | TGCCGTTGTG | AAAGTGACGC | 92820 |

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|-------|
| TTGGCTTAAA | AATCTACATT | CTTTTTTTTAA | TTATAAAACT | ACCACATCCC | CCAAAAACAT | 92880 |
| TACTAAGGAA | TTGAGGCTGC | AGTTTAAGAA | GCTGATATTT | AGGATCTATC | TCCGGAGAAG | 92940 |
| TGAGACCTGG | TAATATAAGC | ATTTTCAAAA | TGAACTTTTG | GGCCAGGTGA | GGTGTGTCAT | 93000 |
| GCCTGTAATC | CCAGCACTTT | GGGAGACCTA | GTCAGGCAGA | TCACTTGAGC | TCACAATTCTG | 93060 |
| AGACCAGCCT | GAGCAACATG | GCGAAATCCA | GTCTCTACAA | AAAATTAGCA | GGGCGTGGTG | 93120 |
| GCATATGCCT | ATAGTTCCAG | CTACTATAGA | GGCTGAGGTG | GGAGGATTAC | TTGAGCCCGG | 93180 |
| GAGGCAGAGG | TTGCAGCAAG | CCAAGATCGC | GCCGCCACAG | CCTGAGCGAC | AGAATGAGAT | 93240 |
| ATGCACCCAC | GCCCTAAAAA | AAAGCATGAC | TCATTAAAAA | AAAAAAATTT | AGCCGGTCGC | 93300 |
| GGTGGCTCAC | GCCTGTAATC | CCAGCACTTT | GGGAGGCCGA | GGCGGGCGGA | TCACGAGGTC | 93360 |
| AGGAGATGGA | GACCATCCTG | CTTAACACGA | TGAAACCCCG | TCTCTACTAA | AAATACAAAA | 93420 |
| TAATTAGCTG | GGCGTGATGG | TGGGCGCCTG | TAGTCCCAGC | TACTCGGGAG | GCTGAGGCAG | 93480 |
| GAGAATGGCG | TGAACGCGGG | AGGCGGAGCT | TGCAGTGAGC | CGAGATCGCG | CCACGGCACT | 93540 |
| CCAGCCTGGG | TGACAGAGCG | AGACTCCGTC | TCAAAAAAAA | AAAAAATAAA | AAAATTAAAA | 93600 |
| AAATATGAAG | TTTTGAAGCA | GAAATTATTT | TGTCGTATGT | TCTTTCATAA | ATTTTTTGCC | 93660 |
| TGCCTGCCTT | CTTCCTTTGT | TACAGAACTC | CAACACTTAC | CCAAAGGTAG | CTGTTGGGTC | 93720 |
| AGGGTTTCTG | TACTATAGTC | CCTTCTGTGG | TGGCCAGAAA | TATGTTACAG | GAAAGAGGTC | 93780 |
| CCCATCCAGA | CCCCAAGAGA | GGGTTCCTTG | ATCCCGCGCA | AGAAAGAGTT | CAGGGTGAGT | 93840 |
| CCGCAGTGCA | AAGTAAATGC | AAGTTTACTA | AGAAAGTAAA | GTGGTGAAAC | GACAACTACT | 93900 |
| CCATAGACAG | AGCAGGACAT | TCCCGAAAGT | AAGAGGAGGA | AGGCATCCAC | CCTAGGTACA | 93960 |
| ATACTTGTAT | ATATGGGGAG | ATGTGCTCTG | CTACAAGTTT | GTGATAAAGG | ATTAATTTTC | 94020 |
| TTAGTTACTA | TATTTTGCAA | GAATCAACAT | TATTATCTTT | AAACAAAATT | AAGAATGCCT | 94080 |
| TTGTTCTCCA | GATATAGGGA | TATCTGGACA | CTCCTAAGTC | TGAGTCTGTT | TAGTAAACAT | 94140 |
| TATTTATTTG | TTCCCTTAAC | CGTAAACATC | TAGAAGCTAG | GAATGACTGA | CTTCTGGGA | 94200 |
| ATGCAGCCCA | GAAAGTCTCA | GCCTCATTTT | CCTAGCCCTC | ACTCAAAATG | GAGTTACTCT | 94260 |
| GGTTCAAGTA | ACTCTGACAC | TTTTCTTCTC | TTTTTTTCTT | CTTTTTTCCT | TCCTTTATTT | 94320 |
| TTTATTTTTT | ATTTTTGAAA | TAAGAAATCA | AGAATACTTG | ATGTTTCATC | TAAAACAATA | 94380 |
| CCCATAATTG | ATAAGCCAAA | ACAAAAACCT | AGGTCTTCTA | ACTCAAAACT | AGGATGTTTT | 94440 |
| GCTGTCTCTG | CTGATACTCG | GCTGATCGTT | AATAGGTAAT | TAACAAACAA | GCCTTGCTAT | 94500 |
| GTCCCCCTCA | GTTTATTACC | ATTAGATCAT | ATGCCTACTG | TCAATCATAT | TAATCCACAA | 94560 |
| CTATGCATTT | CACAAAACCT | GCCATAAAAA | TTCACAGGTT | TCCCCTTCC | CTCGAGTTTT | 94620 |
| CATTTCCGAA | GGGTCCCATG | TAATATAAAA | CTTATATTAA | ATACATTTGT | ATGCTTTTCT | 94680 |
| CTTGCTAATC | TTTTTTTTTG | TTTTTTGAGA | CTGAGCCTTG | CTCTGTCACC | CAGGCTGGAG | 94740 |

| | | | | | | |
|------------|-------------|-------------|------------|------------|-------------|-------|
| TGCAATGGCG | CGATCTCGGC | TCACTGCAAC | CTCCGCTTCC | CAGGTTCAAG | CGATTCTACT | 94800 |
| GCCTCGCCCT | CCCGAGTAGC | TGGGACCACA | GATACGTGCC | ACCATGCCCC | GCTAATTTTT | 94860 |
| GTATTTTTAG | TAGAGACAGG | GTTTCACCGT | GTTGGCCAGG | ATGTTCTCAA | TCTCCTTACC | 94920 |
| TCGTGATCCG | CCCGCCTCGT | CCTGCCAAAG | TGCTCGGATT | ACAGACGTGA | GCCACTGCAC | 94980 |
| CCGACCAATC | TGTCTTTTTG | TAGAGGGGCC | TCAAGCATGA | ACTTACTGAT | GGGTGAGAAA | 95040 |
| AACAGAATTT | TCTTTTCCCC | TACAATATAA | ACATTAATTG | TAATGTTATC | ATTCAGGACA | 95100 |
| TTTTGGTGAC | CAATCTTACA | GAAATTTTAT | CTTGTGCAAG | TCTATGCAAA | CCAATATGTA | 95160 |
| AATCTTCTAT | AAGTGAGATT | GTATTTCACT | TTTCTAGTAT | CCTTTTAAAT | TAATAAAAGA | 95220 |
| GATTCTAATG | ATTATTTTCA | TTACTGCATT | TCATTGTAGG | GAAGTAGATA | ATTGCCCTTT | 95280 |
| ATTCAGTGAC | CTTCGCTTTT | TAAAAATTTA | AACCATGTTA | CCATGAAAAT | GCTTTTCAGT | 95340 |
| ATTTCTCTAC | ACACAAGATT | GCTGTAAGGG | CAAAAATAGA | GATAGGAATC | ATGCATCCAT | 95400 |
| TGATATACAT | ATTTTGATTT | TTAATACATG | TTACCAAGTT | GCCTCCTGAA | GGTCTGTTTA | 95460 |
| CACTCTCACC | AACAGGGTGT | TTTTTCCTGA | CTTCCACAAA | TGCTCTTGAA | CAGTGGGTGT | 95520 |
| GTTAGTCTGT | TCAAATTGCC | GACATGAACA | ATTAAATCTC | ATTGTTGTTT | TTATTTTTTAA | 95580 |
| GACAATTATT | GTTTGAGACT | GCACATTTTG | ATAATAACAT | TTCTTCTATT | ATGGTTTGAT | 95640 |
| TACTCATGAT | TCTTGCCCAT | TTTCTTTTGG | GATGTTGCCT | TATGTACATT | ATTTTAAATA | 95700 |
| GATAGCTCCA | TGTATTAAAA | GATTATTAAAG | TTTGAGGGCT | TATGATATGT | CAGTTACATT | 95760 |
| TCTAAGATTT | TTTTTTTTTTT | TTTTTTGAGA | CGGAGTTTCA | CACTTGTTGC | CCAGGCTGGA | 95820 |
| GTGCAATGGT | GCGATCTCGG | CTCACCGBAA | CCTCCGCCTC | CAGGGTTCAA | GCAATTCTCC | 95880 |
| TGCCTCAGCC | TCCCCAGTAA | TTGGGACTAC | TGGCAAGCGC | CACCACGCCT | GGCTAATTTT | 95940 |
| GTATTTTTAT | TAGAGATGAG | GTTTCTCCAT | GTTGGTCAGA | CTGGTCTCGA | ACTGCCGACC | 96000 |
| TCAGGTGATC | CACCCGCCTC | GGCCTCCCAA | AGTGCTGGGA | TTACAGGTAT | GAGCCACTGG | 96060 |
| GCCCGGCCAC | ATTTCTAAAT | TCTTTATAAG | TATAAATTCA | TTCAATCTTC | ACCAAAACTC | 96120 |
| AATGAAGTGT | GAGTACTATT | ATTATCATTT | TTTTACAGAT | CAAAACAAGT | AATACAGTCA | 96180 |
| CTTACTGAGT | TCTATACACC | TGGTAATTTT | TTTGTTCGT | TGTTCTATCA | ATTATTGGGG | 96240 |
| AAGGGGTGTT | GAAATCTCTA | CCTTTAAATC | ATGTATGTGT | CTATTTCTCC | TTTCGGTTCT | 96300 |
| ATCAGGTTTT | GCTACACATA | TTTTGCAGTT | CTGTTATTTG | GTGCATATAC | ATTTAGAATT | 96360 |
| GCTTGTTTTT | CGTATTGGAT | TGACCCTGTT | ATCATTATGT | AATATCCCTG | TCTGTTCCCTA | 96420 |
| GTAATTTTCT | TTGCTCTGAA | ATATACTTAT | CTGATATATC | ATCCAAAAGA | CCACCAGGAT | 96480 |
| GGCTAAAGAG | TAGAAAGGAG | AGATTTACTG | GCAATACTAA | TTTGCAAGCC | AGGAAGAGAT | 96540 |
| GGTCCCAGAA | CCTGCCAAAA | TTACTCTCTC | TTTGGGGAGA | AGGAGCAGGT | TGGTTATTTT | 96600 |
| TATGCCTCAT | AGGCTATATA | TTACACAATA | GAGTCATACA | TATTTAGCAC | GTTTGGGGGG | 96660 |

| | | | | | | |
|------------|-------------|------------|-------------|-------------|------------|-------|
| ACAGCTATAT | ATATTATGAG | GGGTGCCAAG | TGCATTCAACA | ATGGATAAAC | ACGTGTAATA | 96720 |
| TACCTCCCAT | GTTCACTTCG | AGGTAAAT | TTGGTTAAAA | TGAGGTAGAA | TTTAGGTCTT | 96780 |
| TACATCACAA | GGTGAAC'TAT | AGGAACAAAG | TTTACGTGCT | GCCTCTAGCA | GCTGGCTGAA | 96840 |
| AATGGCTTAA | GGTCTACAAT | TACGTGTAAG | AATAGAATGT | GTGTCAAGGC | GGTCCTCTGT | 96900 |
| CCAATCAGAG | TTGTAGTGGA | CTGGACTGTA | AATCAGAGTT | AGGAGGGCTT | CTGATAGCTC | 96960 |
| CTATAGTTAA | GGAATTTAGC | AAGTGTGAGT | TTTTTGGTAG | TCTTTGGAAT | TTAGGAATTT | 97020 |
| GCCATGCCAG | CCAAGCCATG | AATGCTCTAC | CAGTAGGTAA | CTTTGTTTGC | TTAATCTTAG | 97080 |
| AGTCTGTCTT | AGTTGGTATA | GGGGCATCTA | TTTTGGTCTT | TCAGATCCCA | GATATTATTA | 97140 |
| ATACAGATAC | TCTTGCACTT | TTGGGCTGAT | GTTTATATGG | CTTATCTTTT | TTGCAGCCTT | 97200 |
| TAATTTCAAC | CTGCGTTATG | TTTATATTTG | AAGTGAGATT | CTTGCAGACA | GTGTACAGTT | 97260 |
| GTTGTTTTTT | TTTTTTTTGA | GATGGAATTT | CACTCTTGTT | GTCCAGGCTG | GGGTGCAGTG | 97320 |
| GCACAGTCTC | AGCTCACTGC | AACCTCCGCC | TCCTGGGTTC | AAGGGATTCT | CCTGCCTCAG | 97380 |
| CCTCTTGAGC | AGCTGGGATT | GCAGCCATGC | GCCACCACAC | CCGGCTAATT | TTTGTATTTT | 97440 |
| TAGTAGAGAC | AGGATTCACC | ATGTTGCCCA | GGCTGGTCTC | GAACCTCCTGA | CCTCAAGTGA | 97500 |
| TCCGCCAGCC | TCGGCCTACC | AAAGTGCTGG | GATTACAGGT | GTGAGACCTC | GCGCCCAGCC | 97560 |
| AAACTGTTTT | TTTATGGGTG | TATTTATACC | ACACACATTT | AATGCAATTA | TTGATATCTT | 97620 |
| AGGGCTTAAG | TTCATGAAGG | GTAGTGTGGG | AACCATAGTC | TCTTGGCCCA | CTAAATGTTT | 97680 |
| GCCAGAAATC | ACTGACAAGG | CAGATTGATT | AATAGGTGAA | AAGGCATTTT | ACCTATTGTT | 97740 |
| TAACGTGTCT | ATGTGGGAGC | ATTCAGAAAT | AATTACCTAA | CTTCCCAATG | AGTTATAGAT | 97800 |
| GCTTATATAC | CATTTTTTAGA | TCACAGAAAG | AATTGGGGCT | TAGATTCTGG | TAAAACAGGT | 97860 |
| TATGGGAGGC | AAAAGAGGTT | TGGCTTGCAA | AGGTGGCCTT | GTTAGGTAGG | TGAAGCCTCC | 97920 |
| CTCAGAAAGA | ACAGATGGTA | AATGTTTCTT | TTATGATTTT | TAAGTGTGAG | ACTCTCAGTC | 97980 |
| TCTCCTGGAT | CTGGGGAAAG | GTATAGAAAG | GTGAGGAGGC | ATGGCTGCAT | TAATGGAGAT | 98040 |
| TCTCTACAGA | TGTAAAATTT | TTCCCATTTA | AGGCAGCTTT | GCAAGCCCAT | TTCTGCCTGC | 98100 |
| TGGCCAAGCA | GCAGCCATTT | CAAAATATGT | CAAAGAAATA | TATTTTGGGG | TAAAATATTT | 98160 |
| TGATTTCTT | TAGACTGGTG | GCCTTATAAG | AAAAGGAAGA | GACACCTGAG | CTGACACACA | 98220 |
| TACCCTTGCT | CTCTCAACAT | GTTATGATGC | AGTAAGAAGG | CCCTCACCAG | ATACTAATTC | 98280 |
| CATGCCCTTA | GCTTCCAGG | TTCTAGAACA | GTAGGAAATA | AATTTCTTTT | CTTTAAAAGT | 98340 |
| TAGCCAGTCT | GTGGTATTCT | GTTATAGTAT | CACAAAATGG | ACTAAGTAAC | TATATTATGA | 98400 |
| TCATCTTACA | TGACTGATCC | CTCCTACATC | ATACACATAC | ACAGGCCACA | TTTGGAAAT | 98460 |
| TGTTAGAGGT | TCCTCTACCC | AGTACAAATG | TACTACAAAT | TATATATGTA | TTTTTAAATT | 98520 |
| TTTGAGTATC | TTCAATAGTA | TATTTTCGTT | AACTTTTGTA | GTCAAAATGT | CATTATAACA | 98580 |

TGTATTCAAT ATGCATAATT ATTAGTCAGA TGTTTTACAT TCTTTCTTCA TACTAAGTGA 98640
 TATGGTTTGG ATATTTGTCC CCTCTAAATC TCATGTTGAA ATGTAATCTC CAATGTTGGA 98700
 AGTGAAGCCT GGTGAAAGGT TTTTGGATCG TGAGGGTGAA CCCCTCATGA AGCGCACTCT 98760
 TCAGGGTAAT CAATGGGTTC TCACTTTGAG TTCACAAGAG ATCTGGTTCT TTAAAAGAGT 98820
 GTGACACCTC CCCCATCTCT CTCGCTCAGC TCTCACCATA TGATATGCCT ACTCCCTCTT 98880
 CACCTTCCAC CATGATTGGA AGTTTCCTGA GGA CTGCTGCA GTAGCAGATG CCTGCACCAC 98940
 ACCTCCTGTA CAGCCTGCAC AACCCTGAGC CAAAAAAAT TACTTTTCTT TATAAATTAG 99000
 TCAGTTTCAG GGATTCCCTT ATAGTAATGC AAGAACGAAC TAACACACTA AGTCTATTTT 99060
 ATATTTACAG AATAGCTCAA TCTGAAGTAC CCTTTTTCAT CTTACACAGTA GCTACTTGTA 99120
 GCTAGTGGGC ACTGATTTGG AGCGTGTTCA AGGGTGAATT GTATTATGCA ATTAACAGAT 99180
 TTTTTTTATT GTTTTGCGAA ACCACGAGGC ATAGATTGTC TTACTTTCTC TGCTCCTGGT 99240
 GTTGGAGTTG TTATTGGGAA ACAACTTATT TTCCTCTTAT ATTTATATGG AATAAATAAC 99300
 CCCCATAATT TCCCTCCCCA ATATCTGCCT TTTGTATGTT TTTTGAAGGC AAGTGCCTAG 99360
 AATTTACTGT TTTTGAAGCA CTTACTGAAA GGATTGCCAT CAAGTTGTTT TGCTAATAGT 99420
 ACATGCCAGG CGCTTGTTGG TTTGCTTAAT TCAAGGTAAC TTGGATGAGA AGAAGAGTTT 99480
 TTCTCATCCA TGGCTCAGTG GAGTATAGAT TACTGATATT GTGACTGGAT GTACTCCTGC 99540
 TTTCTAGTCT GAGTTTTTGA AGCTACCCTT AATCTTGGTT TCAATTTTAT CTAGCCCTGT 99600
 ACATATCCAA GGCTCTTTCC AAAATGGTCT ACGATTGTGT TAGGAAGTTA GAATAGCTGT 99660
 ACTTTCTGAA CCACGGTTCC TGACATTTTC TGGACTTCAA ACACATCCAG CATTTTATCG 99720
 AAGTATTTAT CCTTCCTACT TGGCTGGCTT CTTCTTGCC TTCAGGTCTG AATTCAAATG 99780
 ACATTCTCCT GATGAACTT TCCATCCTTA TTTCTATTCT TTTTCTTAT CCCCTTTCTT 99840
 TATTTTTCTC CACAGCACTC ATCACTTATC TCTACATTTT CATTATGTAT TTACCTTATT 99900
 GTGCACCTCC CACTACAAGA CAAGTAGCAC CGTAAGGAAA CAGGTTGTCT GCTTTTTTCA 99960
 TGCTATGCTC CCTGCACCTA GAACACTCTC TGGCACTTAG CAGGTTTTCA GTAAATATAT 100020
 GCTGAACTAA TAATGCTGGA TATACATCTC CCTCATGAAC TCTCTAAATC CTTCTAATTT 100080
 ACATTGATCA ATCTTCTTTT CCATGTGCTT TTGTATGATT TATTGCTCAA AATCTTTATT 100140
 TTGTATGCAG AACGTGCACT GCTATTTAAT CTTCATGTAC GTAAGTCCTC CTTCTCTGA 100200
 GTATAATCTC TTCAGGGCAC TATCTGAGAT AACTTTTTTAA CATCTCCATC ATGAATCTTG 100260
 TACCTTTTCA AAGAAAATGA GCCAGTGATT ACTGATGTTT ACGGCTATTG TTGAGGGTGA 100320
 AGATCATTAT AATTTTGAAG AGGGAAGTTG AATATTGTGA AGGGAAAGAT AACACTAGAG 100380
 TCAGAAGACT TGGGAGAAGG CAAAAACAA ACTAAAAATG AGCACTTTTA GTCTCCTGAC 100440
 AGTTTCTCTG AATCAAATCC ATAGTTCTGT GACAGCGTTG GCTTAGAAGC AGATTTTTTT 100500

TTTTTTTTTT TTGAAATGGA GTTTCGCTCT TGCCCAGGCT GGAGTGCAGT GGCACGATCT 100560
CGGCTCACTG CAACCTCTGT CTCCAGGGTT CAAGCGATTC TCCTGCTTCA GCCTATGGAG 100620
TAGCTGGGAT TACAGGCTCC CACAACCACG CCCAGCTAAT TTTTGTATT TTTAGTGAAG 100680
ACTGGGGTTT CACCATGTTG GCCAGGCTGG TTACGAACTC CTGTTCTCAA GTGATCTGCC 100740
CGCCTTGGCC TCCCAAAGTG TTGGGATTAC AGGCATCAGC CACCGTGCCC AGCCAGGAGC 100800
AGATTTTTTT ACACCTCATGT TTCTTTTTCC TTCTGTCATC CTGTTTCAGT ATAAGCAGAC 100860
CACAGATAGA AGTAGTAGAT ACCTCAGAAA TTCCTGGAAT AATTAATCCA CGTTCATCTG 100920
TACTCCATCT GCTCCTATCT CATGGAATAT AAAAGGAAAA ACACCAAGAT TTCCCTAGGC 100980
AATCTGTCTT GATTTTAGGT TCCTCAACAG GAGAGCCAGA CAATGGCTGT AATAATATTG 101040
TCCCGGCCAA GGAAAACTT CCCCTTTGCC CTCCCAAGGT TTATGGAAAA TTAGTGCAA 101100
AACACAGATT AACTGGAGAA AAGGCATATA TATTTATTTT ATCACAATTT TACAGGAGAT 101160
TTTAGAATTA AGACTGAAAG ATACAGGGGA AATTGCCCAT TTTTATGCTT AGGTTCAACA 101220
AGATAAACAG CTGTATAGGG TACGATCTAA TGCTAACAGA CTGAGTGGGG AAGCCCCGCA 101280
AGGCTTGTCT GTCAAGATTC TTCTTGACCT CTCAGTGCAG CATTTCTTCC TTCTGGTTAT 101340
AGGACAAGAC TCTCTTTTAG AATGGGGGGT CTTATGACCT ACAGGCAAAC AAGGTAGGTT 101400
AGAGTAATAT TTTTAGGTTT TATGGCTGGT TCTAGGGAAA AGGAGTTCTG GTTTGTATGG 101460
CCTACCTTGA GGAGGAATTC TGGTTTCTAT GGCTAGACTT TGGGGAGAAT GGGACTTACA 101520
GACAGGAAGG CAGAAGGTGG TCAGTGAAAC ACTTTTATAA TCATAATCCC ATTTTGAGTA 101580
TTTCTGTGTT ATGGAATGTT TGTTCTCTCA TTTCCTGAAA GATTCCAGAG ACTCCTCATT 101640
CAGTGTGTG AAAAAGTTCA GGAAATGCAA CTCAAAAATG TGCCACTTTG TTACGCTGAT 101700
TTCTTTGAAC TGAGGGCACC TAGGAAACAG TAAATTCAAG GAAGGGCTTT CGCTGAACTC 101760
TAATCAAAAA TTTGAAAATT AAAAAAAAT TCAAAAAGGA ATTTAGTTGT TAAGATTCAC 101820
TTCCCTGGGG AATCTCATCA ACCAGAGAAG ATTAAGTGTA TCACAGGAGA GGAGACTGGT 101880
GGTTAACACC ATCTAACAG ACTTTGTCAC AGCTGTCACC TATTCTTTGA AACACCCATT 101940
TATTTTTCTC CAAAATCATA TACTCTCCCC TAAGTTGCCT ACATCCCCCT TCTTTCTCCC 102000
TTATGAATCA AGAGAGCTTA TAAGCTTCTA CAGTTCAGT GGATTTGGGG TATTGCTTTT 102060
TCTTCCCTCC CACTCCCCCT CCCCTTTTTT TGTCTTTGAG ACACAGTCTT CTGGCTCTGT 102120
CGCCACGCT GGAGTGTGGT GGCTCTATGT GAACTCACTG CAACCTCCTC CTCTCGGGTT 102180
CAAGCGATCC TCCCACCTCA GCTTCTCGAG TAACTGGAAC TACAGGCGTG CACTACCAAG 102240
CCCGGCTTTT TTTTTTCTT TTTCTCCCC GTTCTTTTTT TGTTATTTT ACTGGAGACA 102300
GGGTTTCTCC ATGTTGTCCA CGCTGGTCTC GAACGCCTGA CCCGCCGTCC TCGGCCTCCC 102360
AAAGTGCTGG TATTACGGGC ATGAGCCACT GCGCCCGATT TGAAGGACCT CTTAAATATC 102420

TATTTAGAAA TTGGTCGGAG TCCACTCCTT TCCAAAAACA TGAGTCACAA TCCGGGAAAA 102480
GCACGAGCGG CTGAAAGTCA AAATAACCAG AACAAAAACCT CCACTCATGC TTAAAAAAGG 102540
TATTTTGACA AAATCCTAAT TCGGCCAATT ATTATTAGTA TTCAAGTCGA AGGCTCGTCA 102600
AGCCAGACTG GGGATTGGGT CAAACATAAA CCTTACACCA GACGGAAGGA TTACATGCAA 102660
ATGAAGGATG CAGATTCTGA TTTCCCATG GGTATTTGAC ATTAGCCAAT GGGAGAATTC 102720
CTCACAGCCT ACCTCCAGTC AGTATAAATA CTTCTCTGCC TTGCGTTCTA ATGTAGTTTC 102780
ATTACATTTT CTTGTGGCGA TTTTCCCTTC TTATCAGAAG TAGTTATGTC TGGTCGCGGC 102840
AAACAAGGCG GTAAAGCTCG CGCCAAGGCT AAGACTCGGT CTTCTCGTGC AGGTTTGCAG 102900
TTTCTGTGG GCCGAGTGCA CCGCCTGCTC CGCAAAGGCA ACTACTCCGA GCGCGTCGGG 102960
GCTGGCGCGC CGGTGTATCT CGCGGCGGTG CTTGAGTACC TGACCGCCGA GATCCTGGAG 103020
CTGGCGGGCA ATGCGGCCCCG CGACAACAAG AAGACCCGCA TCATCCCGCG CCACCTGCAA 103080
TTGGCCATCC GCAATGACGA GGAGCTTAAT AAACCTTTTG GCGTGTGAC CATCGCGCAG 103140
GGTGGCGTTT TGCCTAATAT TCAGGCGGTG CTGCTGCCTA AGAAAACTGA GAGCCATCAT 103200
AAGGCCAAGG GAAAGTGAAG AGTTAACGCT TCATGCACTG CTGTTTTTCT GTCAGCAGAC 103260
AAAATCAGCC TAACAGCAAA GGCTCTTTTC AGAGCCACCT ACGACTTCCA TTAAATGAGC 103320
TGTTGTGCTT TGGATTATGC CGCCCATAAA GATGTTTTTG AGGTGTTTTT AATGGCTTTG 103380
AGTGTGGCAC TTTTAGTAAT TTGTCCTGCA GAAATTAGAT CCATAGAAAC CTCAGGAATT 103440
CTAGGTATGT GGGAGAAGTG CCATGCAGCA CAAAACATGT TTACAGGGGT GATTGCGGTT 103500
AAGTTTCACA CACAGCAGTT ACTACATTTT AGAGGAAGGA AATTATACCC ATGAGTGCAT 103560
TCCTAACTAT CTTGAATGGA AGTGTTAAAA CCCGCATGCC CCACACAAGT TTGAATATGT 103620
CATACCATTT GCTGTAGCAA TTAATGGCAT ACACAATTGA GAGCACACAC ATTACCACTG 103680
AACATTTGAG TATGTATTTT CCAAAATGAG CTTTTTTTCCA GTTTGGGGAT GTTTTGCTTT 103740
GTTTTGGGGT GGAGTCTCCC TCTCGCCCAA GCTGGAGTGC AGCGGCGTGA TAACAGCTCA 103800
CTGTAACCTC GAACTCGGGC TCAAGCGATC CTCTTGACAG CCTTCTGAGT AGCTGGGATT 103860
ACAGGCGAGA GCCGCCACGC CCGGCTAAGA GCATTTTTCT AATTGCCAC ACTTCTTATG 103920
CGACACCCAG AAAAATACAA TTTTAAATAA AGCGCATATG CAAATTTCCC TAATCGTCTC 103980
CAATATTCTC TGATTTCTTT TTTATATTTT AACTAGAAAC AATTGGAGGT TTCCGCGTTG 104040
CTTTGTGTGG TTGTAAATTT TAAGACTTCA GGAAACTTTT CCAGTACAAG ACTTGTCCAC 104100
AGTGGATATA GCAGCTAAGG GGTAAACAAA ATGACGTCAG AGTAGCTACG GTAATGGGCA 104160
GGAGCCTCTC TTAATCTGCA ACCAGGCACA GAGATGGACC AATCCAAGAA GGGCGCGGGG 104220
ATTTTTGAAT TTTCTTGGGT CCAATAGTTG GTGGTCTGAC TCTATAAAAG AAGAGTAGCT 104280
CTTTCCTTTC CTCCACAGAC GTCTCTGCAG GCAAGCTTTT CTGTGGTTTT GCCATGGCTC 104340

GTACTAAACA GACAGCTCGG AAATCCACCG GCGGTAAAGC GCCACGCAAG CAGCTGGCTA 104400
 CCAAGGCTGC TCGCAAGAGC GCGCCGGCTA CCGGCGGCGT GAAAAAGCCT CACCGTTACC 104460
 GCCCGGGCAC TGTGGCTCTG CGCGAGATCC GCCGCTACCA AAAGTCGACC GAGTTGCTGA 104520
 TTCGGAAGCT GCCGTTCCAG CGCCTGGTGC GAGAAATCGC CCAAGACTTC AAGACCGATC 104580
 TTCGCTTCCA GAGCTCTGCG GTGATGGCGC TGCAGGAGGC TTGTGAGGCC TACTTGGTAG 104640
 GGCTCTTTGA GGACACAAAC CTTTGCGCCA TCCATGCTAA GCGAGTGACT ATTATGCCCA 104700
 AAGACATCCA GCTCGCTCGC CGCATTGCGG GAGAAAGAGC GTAAATGTAA AGTTACTTTT 104760
 TCATCAGTCT TAAAACCCAA AGGCTCTTTT CAGAGCCACC CACTTATTCC AACGAAAGTA 104820
 GCTGTGATAA TTTTTTGTTG TCTTAACAGA ACAAATTCTT AAGGACCCCC CCGGAAAGCA 104880
 TTAGACTATG GTCTTAAAGT TGATTAACAG AAATAACGGT TTGGTCAGTC TTGCAGTGTA 104940
 GGTtATTTCT GACCTTATTA AGGTGCTATT TGGAGAGAAG CTGTGTAAGT CCACTATCAT 105000
 TCAGGCCTCT AGCTTGCTAT GATTAGCATT TGTtTAAACA ACTTTGTAAG AGTAAGGGAA 105060
 AAATCTGGTA AGTAGTTAAC TGGCGCTTAC TAGGCATTTT TGCAAAGCTT TGAAAAGATT 105120
 AGAAAATTGT GTCTTGCGAG TTCCAGTGTc TTCCTCAAAA TGCTTAGGAA GATTTTCTCA 105180
 GCTCAATACA TAGTCCCCTA GGTTTTCTCA TATATTATAT ATATATATAT ATATATATAT 105240
 ATATATATAT ATATACTGTT AAATTCATTT GGCTGTtAAC ATTAACCTGA AATTTATTCT 105300
 GGTGCAAAAT GTGAGGCAGG GATCTAACTG GCTCTCATTt TATCCATAGC TAGCTACCCA 105360
 CTTTAAATCT GTCAGTCTGT CGACCAAGCA TAATTTAATC CCTTATATAT GAATTTTTAT 105420
 ATGTGTGGCT TTGCTTGtAA ATAGTCTATC TGGTTGCATT GCTTTGTCTC CTCTAGGACT 105480
 ATGCACCATG ACATGCCACA TTCTTTTTTT CAGTACTTCT TGcCTGTAGT TATTAAAATC 105540
 TAGAATTTAC AAGTTTTAAC CATTTTCTTT CTGTtGATCT TGCTTTTCGG TTTTGGAGGT 105600
 TGGGGATTGA GTACTGGAAG AAAATTTAGA GGGATGGGAA TACTGTACGC AAACAAAAGT 105660
 AATATTTACT TTAAAATTTT TATATTTTGT ATTTTTTTAT CATATAGCTT TTACATCACA 105720
 TTTTACAGAC TAACTTTAGA ACAACCACAG AATGTCCAAC ATTAAAACTA CTAATTCCAA 105780
 AGACCTTGCC TCACATTCTT TTTTACAATA AATATTTTTT ACACCTAACA TTCTTTCTTG 105840
 GCCTACATCT AGAATGTAAA CTGATGTACC ATACTAAAAT CGCCTGACCA ACTGTCAACA 105900
 ACAACAAATC ACACACACAA AAGATCAAAT TTGAATTGCA TCGTTTACTT AAATTCATTT 105960
 GTGTTCCAGC TTTTAATAAG GCAGTTTTTG GTTTATAAAG TAATATTTGC ATTTTAAAAA 106020
 TTATGAAAAT GAATATGTCA GTTtGTTTTA TGATTcGTTT TTCTTGACTC TTATACAAGC 106080
 GACTCTAACT GGCATAGACA TTTGTTATCC ACAGACAGTA TAGATATGTT AGAGATGCCA 106140
 ATGGACTTGG TCTATGCCAA GGTGACTACT CACAAGCTCT GGGCCCAGCT GAAGGTCAAG 106200
 TATTTTTTTT CCAGTTATAG ATGTGCTGGA TCTGATGTAT AGCGCTTGAC TTTTtATATT 106260

TTCTTTTATCT GTAGGAAACA AATGTGTTGG AGGTACTGGG TCTGACGAAT AGCATAAAAAG 106320
 AATAAAGTTA CATTACTGTC TGAGGATCAG ATGGACAGGG GGTGGTAGCT CAGTCCAGCT 106380
 ATTTTCCACT CCCTCACTTA CATTCTTTGC CCCCTCCTCA ACAGAACAAG GATTCTGCTG 106440
 TAACTCTTCA TTGACAGTTG ATATTTAAAA ATTAACGAAT GGATGAAATT CTCATTTGTG 106500
 AAAGAAAATT TATTGAGCAT TTTGTATTTG TGAGTAGTGC AAACATTTTA ATATTATATT 106560
 AAGAATCTAT TGTTTTGTAT TAGAGGAGTA ATTAAGGAGA GATTGGAGAC AAAAAGGGGG 106620
 TGTGTGTTGC AGAATATACC ATCCAAAAAT AGACCACTGT GGGATCAGGA TTCTTTTGAG 106680
 CTAAAGGCAC TTCAAAAACA GCATTCAAGA AGGGAATTCT TCTAAACTTT TCTTTCTGAA 106740
 AACAGGAGAT AAAAGTTCCA ATGTGAAAAA TGCTCTGCTT GTACCAGGTG AAAAGACATA 106800
 TTCTTCAGCC CAGAGGCATA GATGAGATAA TTCTGCACAA ACACAGCAGG GAGTCATAGC 106860
 CGAGAGACTT CTATACACAA ACAAACCTTG TTAATAAAT CATATATTCC TTTAATCTCC 106920
 TCATATGGTT TACTTTCCCA CAATTGCCTC TCTTTAACTT AATGTGAAAG CATTTAGCTT 106980
 TTGCCATTTT TTTGGGGCTT CACTTTTTTA TGAGGGTTCT CCTGTCCCAT AAAATTTACA 107040
 TTAAATACAT TTGTATGCTT TCATTCTGCT AATCTGTTTT ATGGCAAATG AATTATCAGG 107100
 TCCAGCTGGA GACCCTAACA GAGTAGAGGT AAAATTTTGC CTCCCTACAA GATAGAGATT 107160
 GTGTGCATTA AATGTTGTTT GTTCCCAGTT GTTCAGTTTG TCAGGCCTCT GAGCCGAAGC 107220
 TAAGCCATCA TATCCCCTGT GAACTGCACG TATGCCTCTA GATGGCCTGA AGTAACTGAA 107280
 GAAACACAAA AGAAGTGAAA ATGCCCTGTT CCTGCCTTAA CTGATGACAT TACCTTGTGA 107340
 AATTCCTTCT CCTGGCTCAT CCTGACTCAA AAGCTCCCCC ACTGAGCACC TTGTGACCCC 107400
 CACCCCTGCC AGCCAGAGAA CAACCCCTT TGACTGTAAT TTTCCACTAT CTACCCAAAT 107460
 CTTATAAAAC GGACCCACCC CATCTCCCTT CGCTGACTCT TTTCCGACTC AGCCCGCCTG 107520
 CACCCAGGTA GAATAAACAG CCTTGTGCT CACACAAACC CTGTTTGATG GTCTCTTCAC 107580
 ACGGACGCGC CTGAAACAGT TTAACAGGGT TTTTCCTGCC CAGTCACAAC AAAGTGATGT 107640
 TATGCTGCAG GCTGAAGTTT ACAGCTAATG CTGTTGAAGT CTAAAATCAG TTTTGGTTTG 107700
 TTAGATTTGG GTGAGATGGC TAAGATTCTC AGAGAAAGAA GTCAAGTTTG GGTGCAATTT 107760
 TTCAGACTTA AAAATTTAGC AGTAGCCCTT GCAGTTTTTC CAATAGAAGT GATTTACGAA 107820
 TGTTTTCAGG AAATTTAAAA CAACAGTGAG AAGCGTGTAT GGAGAGTTGA ACTACACTCC 107880
 AGACTTGGCT ATAGGAAAGC ACGAATGCTG CTATTGTATT GCACCTTGGA AAAGAGAACA 107940
 AAGGAATATT TTCGGACAAT TTTAACATGT CACATATGAA AAGCTAAACG GAATCTGTCA 108000
 ACACCTTGTA CGTTATTACA GGCTGTGATT TAAAAAAAC AATCCTTACT AATACATACA 108060
 TAGTTGCTGC TAGCAATATA GTGTTGGGAG TAAAAACACG AAAATGAGAG TTCAGGACAA 108120
 TATCCCAACT CTGAGCAGAT TTTTAAAGT AGTAACATCT AAAATTAAAC CATATTATGT 108180

AATATTTATT TCTTTTCCAC AGTCTCTTCT CATGCCTCGT TCACATTAGC TAATTTAAAG 108240
TCCCCTGAGT ATCATCATAA CCCGATTTCAG AGATGAAGGC ACGGTTGCAA TGAGCTATCA 108300
CCCTCTTCTG AATGAGACAG TACAGTGTGA AGGATAGCAA AACTCCACTC CCATCCTCTT 108360
AGGGCTCTGG CTGGACCAGC AAATTAAATT AATGTAAAAT GGATTAACAG GAGAAAGGTA 108420
TATGCATTTA TTTAACACAG GTTTTACGTG ACACAGGTGC TCTCATAAGG TAATGAAAGC 108480
CCAAAAAAG CAGTTAGCTA CTTATATAAT GAATTGGACA ATTAGTAAAA TGTA AAAAATG 108540
CGCTAAAGCA AAGGGATTTA GGCTAGAATA TATAACTGTG TAGAGAAGCG CCCAGCAAGG 108600
GCTAGTGCAA GGTGTGTACA GAATTCTCTT GGCCTCAGCC TCCTATCCTT GAGAAGAATG 108660
TTGCTTTTTT TAAACTACAG TGAGAACATC TTTCATATGA GAATTTTACC TACTGCTTCT 108720
AAGAAACAGG TCAGCTTTCA AGAAAACATA AGGCCAGAGT GATCTTTTCA CGCCTGCTCT 108780
TTTAAGTACC TTTGAATAGT CAATATGTCT TCAAGCACTT GAAAGACTTA AAAAGTTTAC 108840
CACTCCGGCA TATTAGTGAA AGCCCTTAAT ATAAGCCCTT ATTTAAATTC TCAGTCGAGG 108900
GTATAAATTC AGATTCAAAT AGTAGTGTGCG TAAACGGGAG GGAAAACTA AAGGGATTAA 108960
AAAGTGAAAC TATTGTGTTC TCCCTCGCAG TCCTTAGGTC ACTGCCCCCTC GAGGGGCGGA 109020
GCAAAAAGTG AGGCAGCAAC GCCTCCTTAT CCTCGCTCCC GCTTTCAGTT CTCAATAAGG 109080
TCCGATGTTT GTGTATAAAT GCTCGTGGCT TGCTTTCTTT TCGCGTACCT GGTTTTTGTT 109140
GTCAGCTGGT TAGACATGTC TGGTCGCGGC AAAGGCGGTA AAGGTTTGGG TAAGGGAGGT 109200
GCTAAGCGTC ACCGAAAAGT GCTGCGGGAT AACATCCAAG GCATCACCAA ACCGGCCATT 109260
CGGCGCCTTG CTAGGCGTGG TGGGGTTAAG CGAATTTCCG GTTTGATTTA TGAGGAGACT 109320
CGTGGCGTTC TCAAGGTGTT TCTGGAGAAC GTGATCCGGG ACGCCGTGAC CTACACGGAG 109380
CACGCCAAGC GCAAGACTGT CACTGCCATG GATGTGGTTT ACGCGCTCAA GCGTCAAGGA 109440
CGCACTCTGT ACGGCTTCGG CGGTTAATCT TTTCGTCAGT TTTCTTCCAA TGGCCCTTTT 109500
TAGGGCCGCC CACTCCCTCT CAGAAAGAGC TGTGATTGTA TTCTTTTCGA TGGTAACATC 109560
TCAATGGCTT TACTCGGCTA TTCTGCCTAG TATGTAGAAC TATTATAAAC CAGTTGGGAG 109620
AGACCAGGTT GTTTGGTCTG AGTGGCTGCT AAAGCAGAAA TCAGCTAAGT AAACGAGGTC 109680
TCCGAGATAA GTGAGCTATA AACTTCAATG CTATAGTTTT GACATGTCAA GCAACTTAAC 109740
GTGCAGCGCG AGTCCGATAA ATGAGTAGCT CAGCTTTTTA GTTTTAAAAA CGAGTTGTGC 109800
GTTATTTGTA CGAGAGCCTA AGATGCTAGC TGCCTGGAAC TGAGTAGGTG GATTAAAATG 109860
GGTGTCAAGT CTGTTTTCCC AGGCGTATCT GACTTAACGT CAGCAAAAGC TGTACTTTTA 109920
GCTTCCCTGG TAACACCTGC CGTCCTTAAC CGCCCCCTGC CGGTAGCGCC AGAAGCCTTT 109980
ACTTCCATTT CTAGTTGAGC TTGGCGTCCT GCTGAGTGAC GTCACCTCCC CCTTCTGTGG 110040
AGTAGGACTG GCGGTTAAAG CTGCTTTGCT ATTTTCAGTC CTCAGGCTGG AGGCTCCCCT 110100

AAGCAGGCTG CCTACGCAGT TCGTAAATTC CCACTTAGTA GACTAAGGGA GTCTGTTTTA 110160
TAAATAAGGA CTCAAATTTT TTCTGACTCC GAGGTCCGTG GCAGCAGCTA TAAGATGGAA 110220
GCCCCCTCTG ATGTAAGATT CTCAGATGAC TTGCATCTTC ACTGTACCTG TCAACCCAAT 110280
AGTCTTCTAT TCCTGCCTTA AATTGTAAAT TCCAAAACCTG ATTTAATTGT GAAAGTTTCA 110340
AACTGTACGA CCTAGGAAGT GTCAAAGTTA GGTGACCAGA TTTT TAGAAG TCAGCCAAAT 110400
ATTCAGCATC TTTGATTTAG TAACAAATAT ATTGATGGCT ACTTCAGCAA AAAAAATCAA 110460
CTTTGTTTTT TGGTTACTTT GCTAACAAGC TTCTCCTGAC AGGAGGATAT AGTGAATAGG 110520
CAGTTGAATA AGTGAGTTCG GGTGAGAGGT CTGAGCTGGA GATAAAAATG TGTGAGTCAT 110580
CAGCAGATAA ATAAATGCTG AGACCAGATG AGATGGCTAA AAACTGAAAC ATAATGTAGT 110640
GCAGCATTTG TTGTAATAGT AAATGAGTGG CAACTGTAAA GTTTTCATCA GAAAGGACTA 110700
GAGTGATCTA TACATCCATA AAATAGAGTA TTTCTCTACA CAGCCCTACT AAAGAATGAG 110760
AAAGCTGTAC TCCACTACAT ACTCTGGTGT ACTCTGGCTC AGTTCTTGA CTCCTCTTTT 110820
CTTGCTAAC TCAACTGGCC TCACCACTTA CATGCTCTGT GCTCTGTCAA ATAGTTTGT 110880
CAACAGAACA CCACGGCCTA GCTGTAAGTG CCACGTTAAC TTCTAGCAAT GCCAAAGCCT 110940
GTGATAGTGG CAGCTTCGGG CTGTTTCTCA TTCCCGGGAT GCCTAACCAC CTCTCCAAAT 111000
TCTATCAGTT TGCTTCCACC CACTTCAAGC TTCAGAACGA AACATAGAGC TTAAGAAATA 111060
TAGGCCCCGGC AAGGTGGCTC ACGCCTGTAA TCCCGGCACT TTGGAAAGCT GAGCCTGGTG 111120
GATCACCTGG GGTGAGGGT TCGAGACCAG CCTGGCCAAT ATTGTGAAAC CCCGTCTCTA 111180
CTAAAAAATA AAAAAAATTA GCTGGGCATG GTTGGGGCG ACTGTAATCC AAGCTACTCG 111240
GGAGGGTGAG ACAGGAGAAT AGCTTGAAC CGGGAGGCAG AAGTTGCAGT GAGTTGAGAT 111300
CGCGCTATTA CACTTAGGCC TGGGAGACAA GAGTGAAACT GTGTCTCTAA ATAAGTGT 111360
GCAATTATAA ACCATCTCCC TGACCTTAA TCTCTAGACT CATATACAAC TGCATATTTG 111420
ATGTATCTAA TTGAATAATG GGCATCTCGA ACTTGTCCTA AATATGTTTA TACGTAAACA 111480
CCAAGTCTGT TCTTCTCTG ATATTTGTCA TGTCAATCAA TAGAACTCCA TTCTTCAAGC 111540
AGCTTGGGCC AGGAATTGTG CAATATTGTT TGTCTGAGC TTCTTACAAC TTTCACCCAA 111600
TGCAGTCAGC TCTGTTGAAA ATCAATCAGA ATACCTTTCA TTGTTTTCTT TGCTGCTTCT 111660
CTAGGAGCAA GCTGCCATGG CGGTTTGTCT GAATGACCAC AGTGACCCA AACTGGTCTT 111720
TGTTTTCACT TTAAATCCCC CTGTCATACA GTTTTTCTCT ATCCAGCATC AACAGTGATC 111780
CTTTTTGAAG GTATTATGTC CACTGTCTGC TGAAAAGATT CCACTGGCTT TCCATCACCT 111840
TCATAATAAA AACCAGCATC CTTATCATAG CCTACAAGTA AGATGACCAA CCATTACAGT 111900
TTGCCTGACT CTCAGGGGTT TCTCAGGGTG TAAGACTTAC AGTGCTGAAA CTTAGAAAAGT 111960
TCCAAGCAAA CTAGGATGAG CTGCTCAACC TACTAGATCT GTACTCTGGC TACCCTCTGA 112020

CCTCATTCTC TTCGCAGTTC TTTCTCTTCA CTGACCTTGC TGTTCCTGGA ATGGACCAAG 112080
CATTTCAGC ATCAGCACCT TTATATCTAT TCTTTCTCCC TAGAAGGGTC TTGTCCTGGA 112140
TATCTGAATG GCTCTAGATC TCATTTTCATT CAAGCCTCTC CTCAAATACC AACCTTAAGA 112200
AAGAGACCTC CCATAATCAT CCCTTGTAAG AAAAGCTTTT CTGCTCATTT AGCATATATA 112260
TATATAGTTG ACTATCCTCA ATAGCATATA TATATAACAT TTCCCCACCT AGAATTATAT 112320
ATGTAATAAT ATATTTAACA AAAAATACAT ATAAC TAGAT ATATTTTATT TTGTGTTTGT 112380
TCTCTCTCCC CCAACTGGAA TATATTTTTT GAAGGTAGGG ACTTTGTTTT GTCCCAGAAG 112440
TATCCCTAGC ACCTTGAACA GGGCTGACGT TTAACAGGTA GTTTATGGAG GTTTGTTGAA 112500
TGAAAGGATG TGTGAATTTT CTATGTAAGT CTCCAGGCTC TCCACTAAGC CCACCAGAAT 112560
GCTAACACAA TCAATTCCCC ATCTCATTC TTGACCTGCC ACTGCCTGAA GCAATCAGCG 112620
TGCAGTTTCT CTTTAGAAAA TCTGGGGGAT AGTCTAGGGG TTGCAAATTA AGCAACATTA 112680
TCTTTGTTCT GAACAAGGAC TGCATGAGTG TTAGGACTGA AGAAGGCCCA AGGTGGTGGT 112740
GGGTATGCCT AAGATGAGTA TGACATATCA GCAATGCTAT GAACATAGCA ATGCTATGAA 112800
AGGCCAGGCA AAACGTAACA GGAGCTAGTC GTGGCTTATT GTTACAACGA CTATACCTCC 112860
CATATGGGTA ATCGATATCC ACACACCCCT CTACATTGAC TCTGGAATTC AGGAAAGGGA 112920
ATTAATAATT TCTAACTTAT GTACCCCAAT GATTTCAACA ATATCTGGCA TATGAGATCA 112980
ATAAATATCT TTAATAATACC AACTAAGAAA GACATAAAAT GACCCACCCT CCATACCAGG 113040
CTCATTTTTG CTCCTCTGAT TCCTGAAACT ATCCAGAATG CAGCTATGAA TTCTCTCCAT 113100
TGTCAGTTTT AAATTAAGCC AAGCTGGGTA CTTGTGTAAT TCCTCAAGAA ATCCTGGATG 113160
AAAAGTGTCA GGTGGAAAAAC AGGACCTCAA AATAAAGAGA CATCCATCAC TGAAGCTAAC 113220
ATCGTGAGGC TGAAATCAGT CCTATAACAA TGGTACCAA AAGAGCACAA TGAGAGGCAT 113280
TTGTGAATAT TTAATCAGAT GAGAGTAAGA TATTTCCCTA TCAGCTAACC TGAAGTTCAC 113340
ATCCCTTTTC CAGCTGAGTT CTGAAGCTAG ATGTACTTAA CTGGAACACA TAACTGCATC 113400
AGGAACATCC TTTAAAACTA TGGCTACAAT GGCTTGACTG GACAAACCCC AGGCTTCCAG 113460
GTTTAGCACA GGTGGCCCTT CACAGACCAA CATTGCCTAT GCTACCAACC TCATGTCCTA 113520
CCACCCTGCT TGCATCATTT CTCTCTCTGC ATATATAAAA ATATATGTGT ATGTATATAA 113580
TCAGCTTTAT TGATATTTAA TATACCACAA AATTTGCCCA CTTTAGGTAC AGTTCAATGA 113640
ATTTTACCGT GTTTTCTTAG TTGTACAACC ATCATCACAA TTTAATTTTCG GAATATTTCT 113700
ATCACCCAAA TTTCCATTTT TCGGTAAAGG GGGAAAAAAA AAGGTTAAC TCTGAAGGCC 113760
GCGGTAACAC TGAAAAAGGT GCCTTTTCTC TCTAAACAG ATTTTAATCT CCCCTGAATT 113820
TAGTGTCCTG GGTATTCCAG GAGTCTGAAT AGGGTTTCAA TTTTCAGGGT CTTTTTAATA 113880
GAGTAAACT GTATTGGTGG CGATAAATTT AGTATTGCTC TCAGTACATG ATTGAGGGAT 113940

ACTTAAATGT CTCTGTGATT TTATTTTCATA ATCGCTAAAA GATGGTTTTT TTTTTTCCTA 114000
 AAACAGGGTT TTTGTTTTTT CTCAATAAGC TTCTTAGCTT CCCCTCCGGC TCCCTGGCTT 114060
 GCCTCAGGAA ATATTAGCTC ATCAGTTCCTG ATTGGTTGAC AGCTACGAAT GGCCCTCATT 114120
 GATTGGGCAG CGCTTCTTTG TCCCTTGGAA ACTAATACAA ATTTTAAACA CTACTTTTTT 114180
 TCCACTCTTT CTTCAGAGTT GGAATATCGT TGCTCCCCTA CCCATATGTA GTGAGTGGAG 114240
 GGCAAACCTG GAGTTCCCCT AATCTTTCCT TTTTAGGATG TCAGCTCAGT ATCATTCATC 114300
 TTAATTACAC ATTGAGCTTC TTGACTTAAT GGATACAGCT CTTCTTTTGT TTAGTTGGGC 114360
 GGCCCTGAAA AGGGCCTTTG GTTCAGAAAT GCAAGCTGTG GAGAAATCAG CAACCTTAAC 114420
 CGCCAAAGCC ATAAAGGGTG CGTCCCTGGC GCTTAAGCGC GTAGACCACG TCCATGGCAG 114480
 TGA CTGTCTT GCGCTTGGCG TGCTCCGTAT AGGTGACAGC GTCACGGATC ACGTTCTCCA 114540
 AAAACACCTT GAGCACCCCG CGAGTCTCCT CGTAGATCAG ACCAGAGATC CGCTTCACAC 114600
 CGCCACGCCG GGCCAGACGC CGGATGGCCG GCTTGGTGAT GCCCTGGATG TTGTCACGCA 114660
 ACACCTTGCG GTGGCGCTTG GCACCCCCCT TACCCAAACC CTTCCCGCCC TTACCACGTC 114720
 CAGACATGAC TTCCCAAGAA GTGAACCAAG AGCAAGTGAG AGAATAGGAA ACCGATCTTT 114780
 ATATATCTAC GTTACCCCTG CCCCCACCTC CAGCGGACAC AGAGACTGAA AAGCGCGCAG 114840
 GCGGGAAATG TGACGCCTAC AGTCCGCTCC TTTAACCCTT CCTCCAAGCC CCAGGAAATG 114900
 GCGGGAGCAG CGATTGGGGG AGGGTGGGGA GATGAGGGTG GGACCAAGCA GGCTTGACCA 114960
 ATGGCCTTTA TTTTCTTAAC AGAGCTACAG GCTTTGAGGA ACTGGGTAA GAATTAAATG 115020
 TAAACCCATT CTGACTCCAG AATTATTTTA AGTCGAACTT TTTTTTTAAC CGAATCTCTC 115080
 TGTCGCCCAG ACTGGAGTAC ATTAGAGCCA TCTCGATTCA CTGAAACCTC TGCCTCTCAG 115140
 GTTCAAGTGT TTCTCCTGCC TCAGCCTTCA GAGTGACCT GGGATTACAA GCGCTCGCCG 115200
 TCGCGCCCGG CGTGTTTTTG TATTTTTCGT AGAGACGGGA TTCGGCCATG TTGGCCAGGC 115260
 TGATCCCGAA CTCCTGATTT CTGGTAATCC GCCCGCCTCA GCCTCTTAAA GTGCTTGAAT 115320
 TACAGGCGTG AGTCACCGCG ACCGGCCGAA ATCGATTGGT TTTGAAGCCT TCAGTAGCAT 115380
 TAAAACGAAA AGTGCTCCCA ATGCATTCCT TTTGTCTTA AATTGGTTTC TTACAGCTAC 115440
 TTTACTTGAA AAGGTGGTGG CTCTGAAAAG AGCCTTTGCT TGGACCGTCA GAGAGACCAC 115500
 AGTAATCACG CCCTCTCTCC GCGGATGCGG CGGGCGAGCT GGATGTCCTT GGGCATGATA 115560
 GTGACGCGCT TGGCGTGGAT GGCGCACAGG TTAGTGTCTT CAAATAGCCC TACCAAGTAG 115620
 GCCTCGCACG CCTCCTGCAG AGCCATCACA GCGGAGCTCT GGAAACGCAG GTCTGTTTTA 115680
 AAGTCCTGCG CAATCTCGCG CACCAGGCGC TGGAAAGGTA GTTTACGAAT AAGCAGTTCA 115740
 GTGGACTTCT GATAACGGCG GATCTCGCGC AGAGCCACGG TGCCCGGCCG GTAGCGGTGG 115800
 GGCTTTTTCA CGCCGCCGGT GGCCGGAGCG CTTTTCGGG CTGCCTTAGT GGCCAACTGT 115860

TTGCGTGGCG CCTTGCCACC AGTAGACTTC CGAGCAGTTT GCTTAGTGCG AGCCATGACG 115920
 GAAAAACAGC ACAGCGGAAC ACCCAACACT AGCGCAAATA CGCCCATGAG CTGCTCTATT 115980
 TATAGTGTGT AAAGTGCAGT GATTGGATGA TAGAAGACGC TAAATATGAC GTTACACACT 116040
 CTGATTGGTC TATCTTTAAG CCAGCAACAA TCGTGCAGTT TCACCGGCTA CTATATTCTA 116100
 TTCCAACCTCT ACAGATGATT ATTTAAGTGG TATTTTATTA CTACTATTAT TTTATTTTAC 116160
 TTTTGCTTTG TTCCCCAAGC TGGTCTTAAA CTTGGGCTCA AAAGATCTTC CCGCCTCAGC 116220
 ATCCAGAGTA GCTGGGATTA CAGGGGAGCC CCACTGCGCC GGCTTGGACT TTAATTTTTT 116280
 AAACCTGTCC TCTTCTACAT CTGGTTTTCA TAACCTGAAG GCTGTGTTTA TTTTCCATAA 116340
 AACAAAGCAT TGATTCCAAA GGTATTATAA TTCCCCAATT CCGTATAACC TTCAGCTCTT 116400
 TAGGAAAAAA AAAAAAAAAA AAAAAAGAGG GAATACTGCT CACCTCCTCT CCGGAAATGT 116460
 ACCCTTTACG GGAATTTCTG AAACCTTTCA CAAGAATTGG ATTCCTTTGT AATGCTTTAA 116520
 TTGACTTAGG AGTGTTATTG AAATCTACAA AGCATCTCAA ACATAGTAGG ATTACACTAT 116580
 TACTCAGAAA CATTTTCTAT GAGACGTCTT TCTCTTGATT ATGCTCTTTG AATCCTAAAC 116640
 TTGCAGCGTT CTGCAGCTTT TGTTTTCTAA AGCCTAGGTG TACTCTGCCA GTCACAAAAT 116700
 GGCCTTTCTC CAGCACTGCC GCCAGGTACC ACCAGCTGGG AGTTGTTTCT CTTGCGGAGC 116760
 AGGAGGTGGA CTTGGCCCAA GAGAACTGG ATAGTGTTTC GCAAGGAACA TAATTTAGCA 116820
 TTGCCAAGAG CTAATGCAAT CATTTTGAAA ATCTCAAAAC ACTGAAAAGT GGATTGTGAC 116880
 CTTTTTAAAT TCACAAGAGA CAGGCCACAT TCTATCTTTT GATTGGTTTA GGCTATTTTC 116940
 TTGAACAGCC ATTTAGAAAG CAGATCTATC ATCCTTCATT TGCATGGAGC GTTCCCATTT 117000
 TATTTGAAAC CAGTTTAACC CAATAGAAAA AAGGGAGGCA GAACCCATTA TTTAAAGTGG 117060
 AAACCTCTGA ATCAGATAAT TAGGAGTATT TCCTTTTCAA AAGTTGCGTT TTTTCAGATA 117120
 CCTCGCTTAT TACACTAAGA AAGGTTTATA TCTTTCACAA AGGGTTTACT TACAAAAATC 117180
 TTCCAATTTT GTATACCTGT GTTTCATAAC TGA CTAGCCG TCAAACCAAG ATGTAGAGTT 117240
 TCCAACCGTT ATTTTCCAAA TTTT TAGAAA TTACGTGAAA TATTTGAATG CATGCCTTCT 117300
 CAATAAAATG GGACGTAGGA AGCACTGGTG CAGAAGATGG GTACAATACT TATCTGGGAC 117360
 CACTCCATTA TTTGGTTGGC ACGTTGTTTG AAGAAAAAGG GGAAAAGCTC AGGT TACTTA 117420
 GCATGGTTCTG GACTTATTTG AAAACTACCA CAGCAGGAGC GGAAATAAGA CCGCATTACC 117480
 TCACTCTCTG CTGTGCTGTG CTAGGGGGTT ATCCAGAATA GGATTGTAGA AGTGGATGTC 117540
 GATTTAATAG TTTTTTATTC TCCCATTAGC TGAGTCTCTG ATTGGCAATG TGAGATCGTT 117600
 TTAGCTTATT GATACTTTGA AATGCACTTA ACAGCCACAA ACAAGTTAAA GGGTTGTTAC 117660
 CATAAAATCT TATCCCCAGG GTGTGCTTGC ATTTATCACC CGTGTTTGCT TTCACACTAA 117720
 GTGGACTTAA CTCCCCAGCA GAATGCCTGT CAGGGAACCG GTTTCGTGGA CCCAGCATTT 117780

AACGCCTTTC GCAGGCTTGT GAGGCCCAT AATATTTGTT GAATAAAAGA ATGAGTTGAC 117840
CATGTCATGG TCGCTGATT GCGTGTGCTG ACATGGAACA CAGGTTGTAA ACCTTAATAC 117900
CAATTTGGGG CATGTTGTAT GGATGAAAAG GGCATTGGAA ATTCCTGAAG TGCATCCAC 117960
ATTGGA CTGT GGAAATAAGT TGCAAGTGCA GAAACGTTTC CACACTTGCA GTTTGAGTAT 118020
TAATTGCAGC GTTTGTGAAT TCTGGTGTG TCTACGATTC ATTCTTGTTT GACGTGAAAG 118080
GTATTCGCGA GACACATCGC TCTAAAACAT TGCCAGAAAA TGTAATAGAG TTGATGACAA 118140
CTGGCCCTAA CACGGCCTAA AACTCGCACT TTTCTCTCCC TCCGCAACTA TTCAAAACAC 118200
TGTATTTTAC ATTTCTTGCA AATTAAAAAC TAACATCTCT GGCAACGGAC CTCTAAAAAT 118260
TTCTAATAAA ACTCCTCGGA TGCTTGTGGC ACTGCATTTG TAAACCGCCC CCTCTCAACC 118320
TACTCCCTAA AAAAGAGCTG CTTTTTGAGA GAGAAGCGGT ACCCTCTGAT GTTACTGGGC 118380
GGCAGTCTGC CTACAATTTT CTTCACAATG AGGCAACCAG AGCGGCTTTT TCTGTGTGTT 118440
TGCTTGCGTT GAGGGGAGCA GGACCATAGG CCCTAGAGGC CCCCAGCTGC CTTCTGAGAC 118500
TGGGCGAAAC CCTCGGCAGC GCGCAGGGGG CGTAGGGCG CGAGGGGCGG GCACTGACGG 118560
GCACCAATCA CGGCGCAGTC CCACCTATA AATAGGCTGC GTTGGGGCCT TTTTTTCGCA 118620
TCCTGCTTCG TCAGGTTTAT ACCACTTTAT TTGGTGTGCT GTGTTAGTCA CCATGTCTGA 118680
AACAGTGCTT CCCGCCCCCG CCGCTTCTGC TGCTCCTGAG AAACCTTTAG CTGGCAAGAA 118740
GGCAAAGAAA CCTGCTAAGG CTGCAGCAGC CTCCAAGAAA AAACCCGCTG GCCCTTCCGT 118800
GTCAGAGCTG ATCGTGCAGG CTGCTTCCTC CTCTAAGGAG CGTGGTGGTG TGTCGTTGGC 118860
AGCTCTTAAA AAGGCGCTGG CGGCCGCAGG CTACGACGTG GAGAAGAACA ACAGCCGCAT 118920
TAAGCTGGGC ATTAAGAGCC TGGTAAGCAA GGAACGTTG GTGCAGACAA AGGGTACCGG 118980
AGCCTCGGGT TCCTTCAAGC TCAACAAGAA GGCGTCCTCC GTGGAAACCA AGCCCGGCGC 119040
CTCAAAGGTG GCTACAAAAA CTAAGGCAAC GGGTGCATCT AAAAAGCTCA AAAAGGCCAC 119100
GGGGGCTAGC AAAAAGAGCG TCAAGACTCC GAAAAAGGCT AAAAAGCCTG CGGCAACAAG 119160
GAAATCCTCC AAGAATCCAA AAAAACCCAA AACTGTAAAG CCAAGAAAG TAGCTAAAAG 119220
CCCTGCTAAA GCTAAGGCTG TAAAACCCAA GCGGCCAAG GCTAGGGTGA CGAAGCCAAA 119280
GACTGCCAAA CCAAGAAAG CGGCACCCAA GAAAAAGTAA ATTCAGTTAG AAGTTTCTTC 119340
TAGTAACCCA ACGGCTCTTT TAAGAGCCAC CTACGCATTT CAGGAAAAGA GCTGTAGTAC 119400
ACAGATGAAA TCCCCAAGC AAATGCAACA CGCCCTCAAT TATATTAGAA TCACTTGGAG 119460
AGTCGATAGA ACTTTAACAT AGCCTCATCT AGTAAGAATT TACTACTCAA TCTATCAAAG 119520
ATAGCAAGGT GAATTCAAAT GCACCGAGTT AAAATCGAGT TTTAAAGTCA CCTGGGTTTC 119580
GGTAGCCGGA AGTCCCGCGT CTCACGACTC CAAGCTAATT AGTCATAACC GTATTGAACC 119640
AAGGTTGAAG CCCAGTCCCA GGCTTGAGGC TTTTATTAT ACAAGGTTAA AGTGGGGATA 119700

TTGCGTTTTG GGGTCAATAT TGCTAAAGTA GCATTTTCCG AAATTGGGTG GTCCTAAGAA 119760
 ATGCTTCTGG GATAGTTGGC AAAATATATG GCTTAACCAC GCCCTCTCCA CAGGAGTGGC 119820
 TAGCGAGCTG TCTGTCCTTG GGAAGGACGG TGACCCTGCT GGCGTGGCTG GCGCCACGT 119880
 TGGCGTCCTC TGAAAGCCCC GCCAGGTAGG CCTAGCTCGC TTGCTTTCTG CAGCGCCATC 119940
 ATGACAAAGC TTTGAAACGC AAAATGCTTT CTTTGTGCAG CGCCTTACCA TGGGTGCACT 120000
 TACGGGCTGT CGACTTG GTT TAGGCCCTTG TCAGGACAAA GGAGCTTAGT TTGTTGGAGT 120060
 TTTAGAGCTG CAACCCAAAA TCCCTTGCTC GGTTCCTCTG TTTTATAGAA CGGAAGCGCC 120120
 CTGATTGGAT ATTTGAAAAT TACTGTGCTT AACTGGATCG TGTTCATCA ATCGTGCAGG 120180
 ATTTTCAACC CTGGTGGAGC CCACACATTC AAAACTGAAG ATCCTTTTCT CAGAACTGCC 120240
 CCTTTAAGCT TTTGCAATTT TAATTCTGGG GGTCAGATTT TAATAATTGG ACTTTTTTGT 120300
 TTACATCTGA CAAGAGTATA TGATGAGCCA AGTTTACTCA CTTTTACTTA GTGCAGTTCA 120360
 ATTCTAAAAG TTTATTTTTG CGTGTGTGCA TATGAGTTAA TAATCAGTTG TATTTTTCAA 120420
 ACGGTCTTTT TTCAATTGTT TTGCTTAGCT CCTTCCATCG TCTAAAGTCA GGGATACAGG 120480
 CACATCACAT CCCTGTTCCC CCTTCCTCAA ACTAATATGT AGCTACCTAG GTTTATCCTT 120540
 TAAAACAAAA ATTCTCACCT ATTTTGTGA GAAATATACA TGTTTTTCTT TGAAC TAAGT 120600
 ATTTTACATA CACCTATCTA TATACATGCA TACTTGTGGT TTTGTTTTTT TAAAAA 120660
 AAAAAA CACGTTATCT TTTGAGACTG GGTCTCAGTC TGTTGCCAG ACTGGACTGC 120720
 AGTGGCATAA TCACAGCACA CTGTAACCTC CAACTCCTGG GCTCAGGCTA TCCTGCAGCC 120780
 TCAGCATCCG GAGTAGCTGG GATTGCATGC ACGCACCACC AAGCCGGGCT TTTTGT 120840
 ATTTTTTGTG GAGACAGTCA CACCATGTTG TCCAAGCTGG TCTAGAAATG GCCTCAAGTG 120900
 ATCATCGACC TCCCAAAGTG TTGGGATTAC GGTCAGTGTG CCTGGCCTTG TATGCATAAT 120960
 TGTTTTGTCT TTTGATTAGG GTTATTAATT TAAAAACAA AGCCTGGACG CAGTGGCTCA 121020
 CATCTGTAAT CCCAGCACTT TAGGAAGCCG GATGGGCAGA TTACTTGAGC TCAGGAGTTC 121080
 AAGACCAGCC TGGGCAACAT GGTGAAATCC CATCTTGACA AAAAATACAA AAAATTAGCA 121140
 AGGCCCAGTG GCACGCACTT ATAGTCCCAG CTACTTGGGA GGCTGGGGTG GGAAGATGAC 121200
 TGGAACCTGG GAGGTAGAGG CTGCAGTGAG CAGAGATCGT GCCACTGCAC TCAAGCCTAG 121260
 GTGACAGAAT GAGACCCAGT CTCAAAACAA AAATAATAAA AATTTTTTAC AACGATGTTA 121320
 TATACACTTC TGCATGTTGC TTTTCTCTTA ACCAACTTT TCTAAAACCC TGTCATGAAA 121380
 AAAGAAATCC TTCACATGGA ATAGCATAAG TTATTCATCC ATTTCTTATT GATAAGCATT 121440
 GATGTTTCCA GTTACCACTG CTGAACATGG TGCAATTGAA TAGAATTCCA GGGCTGAGAT 121500
 TGCTAGGTTT TAGGTTGTAT TTTATTATTT TATTTATTTA TTTATTTATT TAGACAGAGT 121560
 CTTACTCTGT CACCCATGGT GGAGTACAGT GCCATGACCT CAGTTGCAAC CTTTGCCTCC 121620

TGAGTTCAAG CGATTCTCAT GCCTCCGGTC TCCCGAGTAG CTGGGATTAC AGGCACCTGC 121680
 CACCAGGCCT GGCTAATTTT TGTATTTTAA GGAGAGATGG GGTTCACCA TGTGGCCAG 121740
 ACTGGTCTCA AACTCCTGGC CTCAAGTGAT CTGGCCACCT CGGCCTCCCG AAGTGCTGGG 121800
 ATTACAGGTG TGAGCCATGG CTCCAGACCT GGACTTTGTC TTCTGTTTCA TCAGTCCTTC 121860
 TGTGTTTCA AGCACAGTAT CACACTGAAG ACTGATGATT CTATATAAAT ATGGTAAAGA 121920
 CTGTACACCC TAACTGTTCT TATTTTTTAA TTTTAAGGCA ATTTTAGATT CCAGCTTTCC 121980
 AAAGAATTGT GGAATGCTTA GAGCTAGAGA AGCCTTGGA GTCATTTAGT TTTTGTTTTG 122040
 TCAGAGAAAA TTCTGTAGAG ACTCTGTCCT GCTCTCACTG AATACCATCC CATAGTACCC 122100
 CCCAACAGCT TTAAAGGGCA ATAATACCTT ATGGACAGTA TGCTTTTCCT CAAATATATT 122160
 CTAAGCCATG GTCAATGCAA AAGAGTGAGA AGGAAAGTAG AATAAGTTAT CTAAGAATCA 122220
 GTGGGTGCTC TCTTTAACT GATTTATCAC TCCCCCTTCC AAACCTCTTT GAAGGTCCT 122280
 CTGCCTCCCT TTCTACATAA GAACTCCTAA CTCCAAGGGA GGAAGGTAAG TTATTCTTAT 122340
 TCCTTGCTTA GAAAAAGAGA AAATAGGTTT GGTAAGCATC CGCTTTCTGC TACCATTCTC 122400
 TGTGTTTCTG TGTTTTTTAT AGGATCATTC AATTATTGGT TGGCTCTTGA GAGGGAATGC 122460
 AAGGTTCAAG GACACAAGCC TAGATCTTGC CTGTATAGAA CCTCATGATG TTATGCTTCT 122520
 CTAATAGAG GCCTGGAGGA GACATGTTGA AAGTGACCCA TAAATCTGCA GTATCTCATG 122580
 TCTCTCAATG GGGACAAGGA GTACCATGGG AAATAGCATT AGGTCAATGA CAGTAACAAC 122640
 TCCCAGGTGA GTTGATTAT TCTTTTATTT ATAAAGTTGT TAATATGCTA CATAGTCCCT 122700
 AATTTTGCCA CAAATAGTCA TTATTTTAAT TTCATATTTT ACTATTGATA AATGAAGGAA 122760
 AAAATGAGTA GCAGTTAAGC AGTCCATAAA CCTACATATA AAGCAAATTG GAGATTTTAA 122820
 AATTGATTCT GGATGCTTAA AATCCTTCTC ATTGAAAAAA AATTTCGTAT TAGAAGATTT 122880
 CAACATTCTT TAAACTGAGA AGCATAACAT ATAAACAGAA AACCACAGCA AAACAAAAAT 122940
 GCAAAGCTCA ATAAATGAAC ACAAAGTGAA CACCATAATA ATTGCCACAC AAGTAAAAAA 123000
 ACAGAAAATC AGCCAACCCT CCCAGAGCTG CCTGATGCTT GCTTCCAGTC ACATTATCAC 123060
 TCCATCTGCC CTAAACATAA CCCCTATTTT GATTTCATAT GCTGTAATTT AGTATGCCTG 123120
 TTTTGAAC ATATAAAATG GAAATAAAAC AAATGTAATC CTATGTACCT GACATATTTT 123180
 ACTCCAGAAC ATTAGGTTTG AATAGATTCA TCTGTGTTGC TGTGTATAAC TTTAATTCAT 123240
 TTTTATTGTT ATGTAATATT CCATGTTATG AGTGCAACAA TTTAGGTGTC TACTGTTGAT 123300
 GCATATTTGC TTCCCTTTTT CAGCTAATAT AAACAATACC GTGAATATTC CTGTGTATGT 123360
 GTCTTGGTAT ATATAGGAAT ACATATTTTG TTTGTATACC TAGGAGAGGA ATTGTTGGGT 123420
 CAAATGCTAA ACTCTTTTTG AAAGTGGTGA TATTAGGTTT ACATGCGATG AAATGAAAAT 123480
 TAAACCACA GTTATAAACA GCATGGATGA ACCTCACAAA CCTAATGTTG ATGGAATCTA 123540

GCTGGGAATT CCTGTTCTTC CATATACTTC CCAATATTTT TTTCCAATTA AAATTGTTAA 123600
TCTTTTGAAG ATGTTATCCA TTGTGGCAGA TGTGCAGTAT TATCTCATT TGGTTTTATT 123660
TTACATCTTT TGCCCATTTT TTCTTAATTG GATTGTATAT CAGTCGACTT GGGCTGCCAT 123720
AACAAAAATA CTAGACTAGG TAGCTTGAAC AAAAGGAATT TATTACCTCA CAGTTCTAAA 123780
GGCCAGGCCA GAAATCCTAA ATTGAGGTGC CAAGAGATTC AGTTTCTAGT GAGGGCTCTC 123840
TTATTGACCT GAAGATAGTT GCTGTCTTAG ATTGTTTGGT GCTGAACAGA ATACCAGAGA 123900
CCAAATAATT TATAAGAAT ACAGATTTAT TTCTTACAAT TCTGGTGGCT ATAAAGCCTA 123960
TGGTCGAGGG GCCCACCTCT GGCAAGGGCC TTCTTACTGT TATGGCAGAT GTGAGATGTC 124020
ATCTCATATT CAAACCACAG CAGTCGCCTT TTGTGTCCTC ATGTGGCCTC TTCATATGCC 124080
CATAAAATGA CCTCATGTCT CTTCCTTTTT TTATAAGGAC ACCAGATCTA TCAGACTACT 124140
GGCCTACTCT TATGACCTCA TTTAACCTTA AATATCTCCA TAAAGTCCCA AAATCCCTAT 124200
CTCCAAATAT AGGCACATTG GGTGTTAGAG TTTCAACATC AATTTTGGGG GAACACAATT 124260
TAGGCCAAAA AGATTGTGTT TTTTCTTGTT GGTTTAAGAT AGCTGTCTTT TTGTCCTTTT 124320
TGTCCTTTCT TTTTTTTTGA GGTGGACTCT TGCTGTGTCA CCCGGGTTGG AGTGCAGTGG 124380
CGCTGTCTCA GCTCACTGCA ACCTCCACCT CCTGGGTTC ACAAATTCTC CTCCTCCCAA 124440
GTAGCTGGGA CTACAGGTGC ATACCACCGC GCCCTGCTAA TTTTGTATT TTTGATAGAG 124500
ACGGGGTTTC ACCATGTTGG CCAGGCTGGT CTCAACTCC TGACCTCAGG TGATCCACCT 124560
GCCTCGGCCT CCCAAAATGC TGAGATTACA GGTGTGAGCC ACCAAACCTG GCCTGTCTTT 124620
TCTGTTTTAA GTTTTTTAAAT TTTGCTCAGG AACCTTTAT CCATTTTATG TGTTGCAGGT 124680
ATTTCTCTG TAACTTGTCT TCACTCTGTC AGAGGCTGGA GTGCAGTGGC ACAATCACAG 124740
CTCACTGCAG CCTCCACCTC CCAGGATCAA GCGATCCTCC CATCTTATCC TCCTTAGTAG 124800
GTGGGACTAC ATGTGCAGGC CACCATGCCC AGCTAATCTT TGTATTTTTT TGTAGAGATG 124860
GTGCTGTTGC CCAAGTTGGT CTCAACTCC TGAGCTCAAG CAATCCATCA ACCTTGGCCT 124920
CCCAAAGTGT TGGGACTAGA GGTGTGAGCC ACCACTGCAC CCAGCCAATG ATATCTCATG 124980
ATGCATTAAA GTCATTAATT TAGTGTACTC AAATTAAGCA CACTGCCCTT TTATGCACAA 125040
CCTTTTTTGT ATCTTATTTA AAAAATCATT TTCTATTTC AAGTCATGAA GATCTTATTT 125100
TATAATACCT TCTTGTAAG TTAGTTCTCA AGACTACCTT CACTTCTAAC ACCAATTATA 125160
AGTTGGGAGG TCTGTGGTTC CCAATCAACC TTAGGTTAGT AATTTGCTAA AAGGACTCAC 125220
AGAACTTGCT GAAGCTGTTA GCCTCATGGT TACAATTTAT TATAGGATAT ATAGCTTATT 125280
ATGTCATTCC AATGCAATGT AAAATTATAC AACTACTTTT AAAAAGATTT TAGCATTTGA 125340
CCCAACAATT TCACTCTGAG GTATACAAAC AGCAGATATG TGTGCACATA TATACCAAGA 125400
CACATACACA GCAAAATTCA TTGTTTGTA TAGTTGAAAA GGGGAAACAA CTCAAGGAAT 125460

AAAGATTAAA ATCAGCTGAG AAAAGAAACA CACAAGGCAG TATTATGGAT CGAATTGTAT 125520
GCAGATCTCC CTTGCCCCCA GAAGATATGT TTAAAGTCCC AACTCCCAGT ACCTCAGAAT 125580
TGTGGCCTTA TTTGGAAATA GGATAGTTGC AGATATAATT AGTTAAGATG AGGTTATAGT 125640
ACAGTATGAT GGGCTGGTGA CTTAGAAGAA GTAGTATATA TATATTTTTT AATAGAACTA 125700
GTATTCTTCT AAGGTGGTCA CGTGAAGACA GACACACACA GGCAGAGACT GCGGTTATGC 125760
AGCTGCAGGT CAAGGAATGT CAAAGGTTGC CAGCAAGTAC GAGAAGCTAG GAAGAGTCAA 125820
GGAAGGATTT TCCTACAGGC TTCAGTGGAA GCATAGATCT AATGATACCT TCATGTCAGA 125880
TTTCTAGCTT CCAGAACTAC AAGAGAATAT ATTTGTTGTT TTAAGCCACC CTAGCTTCTA 125940
GCTCTTTGTT ACAGCAGCCC TAGGAAACTA ATATAGGCAC AATCCAGGCA AGTTCCAAAT 126000
ATGAGCTTCC AGTTGTCTC TCCAGTAAT ATGAACAGTA TTACTTTCCC AGCATTAAATG 126060
TGTGACAATA CACATGACGT ACAGAGCAGT CCCCCTTAT GCACAAAACA TATGTTCCAG 126120
GACCTCCAGT GGATGTCTGA AACCATGGAT AGTACTGAAC TCTATATAGC TGTTTTTTCC 126180
TATACAGACA CAGCTATGAT AAGGCTTAAT TTATAAATTA GGCACAGTAA GAGATTAATA 126240
ACAATAAATT AGAATAATTG TTAAGAATAT ACTGTATAAA AGTTAGGTGA ATGTTTATTT 126300
CTGAAATTTA CCGTTTATTA TTTTGGACT GCAGTAGACC ACAGGAACTA AAACCATGTA 126360
GAAACCGTAT ACAAGAGAAC TGTATTTTAC CCGAGCCTCA GTGTGCAGTT TTAATGGCCT 126420
GCCATGGTTG ACTGCTACA TGGCCGATCT TTAGTCTAC CTCCACAGGT AGAGCTGATA 126480
CTGTGTGGCT CAAAGTTCCT ATTATAAATC ACATTGTTGA CTGTGTGGTG GTCAAAACCT 126540
CCAGGTAAAC AAAGACACAC TTATCAGTGA GAACATTTCA AGGGTCTAAA ATTCATCTCC 126600
CAGTAGCTGA GGGCAAAGGC TAGACCTCTT TTTGGGTAAG ATAAATTTTT TACCATATAC 126660
TTTATTTTGC TTTTCATGTT TAACTTTATT TTGCTTTTCA TGTTAGTTCC CCTGGAATTG 126720
TTTTTTGTGT ATAGTGTGAA GTAGGGGGTC AAGTTTCTTT TTTTTCCTT TTTGTTCTTT 126780
TTCTGTTTAA AAGGCTATAC AATTGTCCCA TGCCATTTAT TTACAAGAGT CCTTTCACCA 126840
TTGTTGTATG GTGCCACTTT AGATGTAAAT CAATGTCCAT ATTTGTTTGA GCCTGTTCCA 126900
TTCGTTTGTC TATTTTTGGA CAACACTGCC CTGATTATTG TCATTTTATC AGTTTTGATA 126960
TTTAATAAAG CAACAGATTT GTTTATTTTG GGCCCTTGGA TTTGTGTATT AAATTTGAAC 127020
CCTGTTTGTC AATTTCTATA ATAAAGCTTA TTGGGAATCT GATTAGGATT ACAATGGTTT 127080
TGTAGATCAG TTTGGGGACA ATTAATACCT TTAAATATT GACCGCTTCA ACTGTAAATA 127140
TACTCCTCCA TTATTTAGTT TTCCTGTTTA ATTTATCTGA GTAATACATT ATAGTTTTCT 127200
TCGTAGAAGT CAGATACGTA GAAAATTCAG AGCCCAAGTG CAATAGCTCA TGTCTGTAAT 127260
ACCAGCACTT TGGGAGGCCG ATGTGGGTGG ATCACCTGAG GTCAGGAGTT TGAGACCAGA 127320
CTGGCCAACA TGGTGAAACC TCATCTCTAG TAAAAATACA AAAATTAGCT GGGTGTGGTG 127380

GCGGGCACCT GTAATCCCAG CTAATCAGGA GACTGAGGCA GGAGAATCGC TTGAACCCAG 127440
 GAGGCAGAGG TTGCAGTGAG CCAAGTTCCT GTCACCTGCAC CCCACCCTGG GCGACAGAGC 127500
 GAGACTTCGT CTCAAAAAAA CAAAAAAAAG AACATTCAAA TAATCAATGT AGATAATTCA 127560
 AATAACTAAA AAATGAACAG TTATTAAAAAT ATCAGGATAT AAAAGCAAAA AAATCAATAA 127620
 CCTCCATATA TACAAAATGG CCAGTTAGAG AAAAAAAAAA GAATAGGCGA GACTTAAAAA 127680
 GGCTGGGAAT CTCCTTGAAA ATCTTTGAGA GCCTTGCCCC TGCCCTCAGG GATTTCTCTG 127740
 GCTTCATGCC CAGATATGGG TACAGTTCCT TGTTTAAAAA AATTTTGCTC CATCAATCAA 127800
 CAAGGGGCTC CTTCCCTCAGA GCACAAGGAC CTCCATAACA CCGGACACTA GATGTCTAAG 127860
 GGACACCTCT TAAGGAAGTT AGACTTCCAA AGAATGGTGT TTCCTCTGTC CCCAACTCT 127920
 GGAATCACA GCACAACCTG TCCTTGAGT TCGGTTTCAA ATCTACAAGG CTGTCATGGA 127980
 GGTTCAGAC CAAGTCCGTG GCCTCAGTGT CCGGATGTAC GGTGGCCTTG GCACCTGAAT 128040
 GTGAGAACAT GACCTCCCTG AAACCACCAC AAGTATTGTT TCATGTTATG TATGTTTTTT 128100
 CTTATCTGAA ATTCCTTTTC TTTAAAAATT CAAATTACAT ATTTTCAAG CCCCTGAACA 128160
 AGCTTCATGA GCATTTATTG AACCCACAGC TTTTAAAACC TACTGAACAC TTTGCTCTAT 128220
 GTTGTCAATC ACTATCCACC AATTATTAA TTATTGATCA ATATTGTTTC CTTAGTGTTG 128280
 GGATCATTTA TGCATGTATT TCTTTTATAT TGCATATTTT ATATTTCTGC ATTACAGTTA 128340
 TTACATATTA CTTTTGCTAC AGTAATAGTT CAGAAAGTGA CATCCAAAAT TTAGCTGTGA 128400
 AGTGGATGGA CTGAGGCAGA ACTGGAGGCA AGAAAATGTC ACAGTAATTC TAAAAAAGAT 128460
 GATGTACAAT TAGAGCAAGA GAGTAGCACT GAAATTGAAG AAAAATAGAT GCGTTTGAGA 128520
 GAAAATTAGG AGGTAGAATC AACAGATTAG ATGTAGGGAT GAGAAGGGTC AAAGATGACA 128580
 CTAGGGTTTT TAACTGGAGC AAGTAGGTAG ACAGAACATT TCTTCCTGAA AGGGCAGGTC 128640
 AGATCATGTG TTGTCTCAAA GGGCATGAAG AGTAGAAAGC CTGGGACAGA TCCTGAGATG 128700
 ACCAATACCC ATGGTGCAGG GAGAGGGAGG GAGATCTGCT AAAAAGACTG CAAATGTCAG 128760
 GATAGTAGAA AATCATGAGT GTGTGATGTC CTGGAAGTTG AGACAGTATC ACATTTGAGA 128820
 ACATTTAAAT TGGTAACTCT GACAAAACCT GGAGGCCAAC TGTGAATGCC CATGAGAGTG 128880
 AGAAGCTCCC AACTTTTGT GGGCATCAGA AAGCCCACCA GGTTCCTGCA GTGAAGATCT 128940
 GAGAAGGATC CTCTTGTTGGC TTTGGCAGGG AGAGAAGAAT TATTATGAAA TACACCCAG 129000
 AACCTTCTTC AAAACAAAGG CCTACTCTCA AGGGGAAAAC ATTTTGCCAG AGTCTTATCC 129060
 CAGCTGGGAG AAGGTAATTC TTCCCACTGC AGCCTCATCT AGGCTTTCTG TCTCACTTAA 129120
 GGGAAGAAAA TTAGTCAACA GGGATCAGAG CTTCATGAAA ATAAATTGGA AATGGTGCAG 129180
 CCAGGAAAGG AGCAAAGGTC TGAGGAGGAG GAGAAGGAGG AAGAGGAGTT GTATCATTAT 129240
 AAATACTTGA GGAAGAGGAG GAGAAGGAGG AGGAGGAGGA GTTGTATCAT TATAAACACT 129300

TGAGGAAGAG GAGGAGGAGA AGGAGGAGGA GGAGTTGTAT CATTATAAAC ACTTGAGGAA 129360
 GAGGAGGAGG AGAAGGAGGA GGAGGAGGAG TTGTATCATT ATAAACACTT GTGACGGTCC 129420
 CAGCCCCAAG ATATAGGCAT GCTAATAAAC TGAGGCTTAA CACTTTGACT ACAGAATGCT 129480
 GCTTCTCCCT AACACCATCA AGGCTCCAAC TGAATAACAA TGAATTATGA ATGAAAGAGC 129540
 TGTAAGGAGA GACAAAAGTT AGAATGAGAC AAGTATTGTT ATCTAGAGAT GCCAAGAAGG 129600
 CAAGGAAGAT AACTAAAAAG GCACTCTGGA TTTAGAAATA GGAAGTCATT AGTGACCTTG 129660
 TAAATAATGG AGCCAGAGGA ATACCAAGGG CAGAAGCCTC ACTATAGTGT GTTGCACCTG 129720
 TCAGAGGTCA GGAGGTGTAA CTGACTCTCC CACAGTGTGG CTTTGGAAGA GAGAAGTCAG 129780
 CAGCTGCATG GAGATTTGGG AGAGGGAAAG CTTTTTTTTT TTTTTTTTAA TTGAAAAGA 129840
 CTGAGCTATG TGTAAATAGA ATAAGACAGG AAGAGTGTAG ACACAGGAAA GAGGGCAGAC 129900
 AAAACAAGT GCACAGTTAT CTAAGGAAA CAATGGGATC AAGCTGCAAG TATATAAACT 129960
 TGTCTTGATA GAAGAATCCT TGATCTGGTT TATTCAGTGT TTGGTCCAAA CCCACATCCC 130020
 TGTTCTGCCT GTCTCTGACT TGCTCTGTGC CCCAGAAGCC CAGCTTCTAC AGATAGCATT 130080
 AGCTGGGCAG CCCTGCCCTC TTGCAACAGC TGGATTTGGC CAGTGATCAG CCCAGCAGGA 130140
 ATGTAGATGG CAAAGGAGAG AGAGGTTAGT GTACTTATTC CCTGCATCAC CCCCTGCTT 130200
 GGTGGGCAGC TCTTCCTCCA CAGTCCCAGC TCTGGCCTAG CTCTGGTTAC AGGTTCCCTC 130260
 CCATTGCCTC TTCAGATTTA AAGGTGTGTC TGTGAGGGTA TAACTGGGAG CTAGAAATTG 130320
 CACTGAAATT GAACAAAGAA TTTTATGGGA ATGGTTGTTA ACTAGTTATA AGAGGACTGA 130380
 AAATGAAAA GTGGAACAAA CGTATCAGAG ATAGTAATGA CAGAAAGCAA CTACCACCTC 130440
 CAGGTTTAGG AGAACAAGGA AAAGATTCTT TGAAGAGATC CCCAGAACTG GGACCTCTGA 130500
 GGAGTGTATG CTGGACCACT GATGATGATA TGTCTGTAGA TAGAGGCATG ATGAGGCTGA 130560
 TTTTAGGAGC ATGGAAGATC TCCAACTGA AGCCAACTGC TGTTACTGGA TTCAACTGCC 130620
 ACTGCCAGGT TGAAGAACCC ATTCTGTGAG GATGTCAACA AACAAAGTGG GAAATCTTTT 130680
 CACATCCTTC CAGCCCTCTA GTCTTCCTCC AGTGCTTTCT ATTGGTAGGG TTTGGGGAGG 130740
 TGGCTAGCAA AGCGGTATTG GAAAAGATAG AAGAGACTAA ATCTTCATAA CCAGCACAGG 130800
 GTGACACTGG ATCACTACTG TTGCTGATCT TGGGCTGCCT CATATCCCCT GTTCTTCCCA 130860
 TTAGCCCTGT CACAACCTTG TAGATATCCC TTCATTATAT GCCCTTCATA TATTCTTTTG 130920
 GTTTAACTTT TTCTGTTGGA ATCCTAATAT GGCACCTCCT CATTTTTTCAG GACCAAAAGA 130980
 GTATAAAAGA TTATCTTTTA CCAAAAAAAA GACAAAAAAC TGATCTAATT CCTGATTTGA 131040
 TCATTACACA ATCTATACAT GTATCAAAAT ATCACATAGT ACCCCATAAA TATATACAAC 131100
 TGTGTCCATT AAAAATAAAA ATTAAAGAAA AGATGGTAAA TATAGCTCTG TCAGGCAGTG 131160
 GAGGTTTTAC CACGATGGCT GTTATTTCCT CCATGAAGGG GGGAGTGAGG GAGCAGCTGA 131220

AAGTAGGTGC TTATAGGGGT ATAGAGGGGC TCAAAGCTTT GAGAGAGGAG AATGTCTGAA 131280
AGAGCTGCCA AATAGCATGC AGGTCCCATG GGGGCAGAGC CTCTGCTCAT TCACCAGTGC 131340
CTCTTCAATA TCTACACTTA AGCCTAACAC AAAGTGTGTG CTTAATAAGT ATTTGCTGAG 131400
TATGTAAAGT GGAAACAGAA CCAATCTGGC AAACCTTTGTA GGAAGTGGTGG GCAATGAAGA 131460
TCAGTCAGGT AAAATCTGTG GATATAAATT TATATTGATC AAAAAATTCA AGGTTAGGTG 131520
TTTTTCTTCA GTCATGCTCA ACGATGCTTC AGCCATGCTC AACTCTTCTG TAGCCACAGA 131580
AAAAAGTTTA CCCATAATCG AGCTGTGTCT GTGTCTGAAT AATGAAAAGA CCATGATGCA 131640
AGGGAGTTGG AGACACAGAA ACAGTGTGTTG AAGTAATGGG TAATGGAAGC ATGCTACCAG 131700
GGAAAGGAAA GAAGTGGCAA TAGGAAGGAA CAGAGATCTG TGGTCCTATG TCCCCTGAGC 131760
ATATTCACAT GTTAAAGCTA ATTCAGTTTT CAATCATCAT TAAAATTTTG TTCCTAAATA 131820
TATGGCCATT ATTTTCCACA ACCACACTAA AACTTTTATTA CCTCTGGCAA GTGACTATGC 131880
AAGTAACTAA GAGCAAAAAT ATCCACAACCT ACCATTTGAG CTATCAATTT AGGGAAAGTC 131940
ATCTGGCTAT AATCTAAGTG ACCCTCCACT GAATGTCAGT ATCTTTGCAT ATGTGATTTA 132000
AATCTGGGCC TTCGCAACAC CATGAAGTGT TCTGTCTTGG AATATCCAGA TTGAAGGAAA 132060
TAATCTGAGT AGTTACGAGT CCTGAAGCTA GAAAGATGGA AACCCCATTT GCTCATCAGA 132120
AAGCCTTAGA GCTTGGGCGC TGGCGGGTCC TGTCTCACCG GGACAGAGGG GCTCTTTCCT 132180
CCCCATCTGA TAGTCTGATA ACTAGAGAAG CCGGCCAACT TATTCTCCAA GAAGGAGCCA 132240
TCTTAGTTCC TCCTGAAATG TTCATATTTA GAAATTATTG TTTGTCAGTA ATTTAACCCC 132300
TTAATGGGCT TGCCTTGTGG TCCATACCAC TGAGTGCAGA GCTTGCCTGG AAGAATTGTG 132360
AGGGCCATTC CATCTTCCAG GCAGTAGAGT TCAGTACTTC TTTAAAATTG CTGCTGAACT 132420
CTGTATTTGA AAAGAAAGAA TCATTTGGGT GTGGTAGCTC ACACCTGTAA TCCTAGCGCT 132480
TTGGGAGGCT GAGGTGGGAG GATCATTTGA TGCCAGGAGG ACCACTTGAG ACCACCCTGG 132540
GTAACATAGC AAGACCCTGT CTTTAGAAAA AAAAAATACA ATAAAATAAA TACAATAAAA 132600
ATAAAAGCAA AAAGAAAGAG TCCATCTTAG GGACAGACTG TAACTACTCA CTGGAGCTTA 132660
CCTTTACATA GTTCAGGATC AATTATAATA AAACACTTTT GTGCAGATTC AATAGGATTA 132720
TTTTAATCCC CATCATCTCT CTGAGTTTCC AGTCAGTTTC TCTGCATGTA GACACCCTTC 132780
TCCAGCCCAC CATTGTCTCT CCTCCTATAG CTCCACCAAC AAATCAGAAC TTTTCTAAC 132840
TGCACCTAGT GCACCTAGAG TCTACTCCAG AATGCTCATG GAGAAAGTTT CTGAAAGGTA 132900
AAACTCTGAA TGATATTTGT AGCTAAAGGG AGACTTGCTA GAGACAATAA GCTAATAGTT 132960
GTAGACTTCA GTAGAAGAGG AATGACACTG CAATGTCAGG GTGCAGGACT TCAAGAGGGC 133020
AGAGTATGGA AACCCAATGG GAAAAATGCT CACCAGGAAC ATGAAGAGAA GGAATTACGT 133080
GTAAGGATTT CTCAATGTGT TCCCAAATTT GCCCAGCAGA GGGAGGCCTC GGGTTGATGG 133140

CAGGCTGACC ACACAATTAA AGAAGGCTGA ACCTGGGGGC TTTTAACAAC CATCGTGGGC 133200
TCTACTGTAA GCATTTAGAA AAAGAAAGTT ATCCATTCAA AAATATATAT ATTTTAAAC 133260
TTCAGAACAA AATTATGAAG AGCTATATTT ACTTTTCTAC ATTCTAATTT TTATAAATCT 133320
GAGTATATTT TGCATATATT GTTATAGTAC ATATTCAATT TTGTATTTTG CTGTTTTTAC 133380
TTAACCATTT TTACTAGATT ACTCTGTGTT CATAATAATC ACTTTTTTAA AACTTTTTATT 133440
TTTATTTATT TATTTTTTTTT TTGAGTCAGA GTCACACTCT GTCGCCCAGG CTGGAGTGCA 133500
GTGGCGTGAT CTTGGCTTAC TGCAACTTCC ACCTCCTGGA TTCAAGCAGT TCTCCTGCCT 133560
TAGCCTCCTG AGCAGCTGGG ATTACAGGTG TGCACCACCA AGCCCGGCTA ATTTTGTAT 133620
TTTTAGTAAA GACGGGGTTT CACCATGTTG GTCAGGCTGG TCTCCAACCTC CTGACCTCAT 133680
GATCTGCCCC CTTGGCCTC CCAAAGTGCT GGGATAATCA CTTTTTATGC TGCATAATTC 133740
TTCAGATTTG TCAGTACGAC TGTATTTACA CTCATTTGTT TTATTAGAAA GAATTCCAGA 133800
ATATTTTGGC TGCCCTAATT AATTTTACAA TTAATATGAT TTTGAAATTG GGTATTGGCT 133860
CCTTCTGAAT TGGTTTATTA AAATATATTC TAATGTAATT TATGACATTT TCATCATATT 133920
AGCATATTTA TTCTGTTAGA ATTTTATAAT TTATAAAGCT ACAAACCTGTA TGTGATATAG 133980
CTTGTAACCT TATCTCATAA CTTTATGCAG TTACAAGTAG AAATAAAATG TTCCCCTCAA 134040
GATTGCTTAA AATTTTATTA TAAACAAGTG TAAAAACAA AATCACTAAA AACTCCCTC 134100
TTTTTTCCCC CAAAATGCAT GTTTCCATTT TAACAGAACC CGTATTTAAT CAGCAGATTT 134160
CTATGGTGGC TAGATTTGTA GACTAAATAT TAAAAGTCCC AAAGCAAATG CATTTTTCTC 134220
TTAAATTTTA CTGACTTTTT TTTTTTTTCT TTTTCTGAGA CGGAGTCTTG CTCTGTCGCC 134280
CAGGCTGGAA TGCAGTGGCA CAATCTCGGC TCACTGCAAC CTCCGCCTCC CGGATTCACG 134340
CCATTCTCCT GCCTCAACCT CCCGAGTAGC TGGGACCACA GGCGCCCGCC ACCACGCCCA 134400
GCTAATTTTT TGTATTTTTA GTAGAGACAG GGTTCACCG TGTTAGCCGG GATGGTCTCG 134460
ATCTCCTGAC CTCATGATCT GCCCACCTCA GCCTCCCCAA GTGCTAGGAT CACAGGCATG 134520
AGCCACCGCG CCCCGCCTAC TGACTTTTAT CCAAAGAAAA TATAAGAGCT CTTTCATATA 134580
ACGTATGTTT CTTGCTCTTG TTATTAAATA TGACACATTT AGACTTAAAC TGATTTGAAG 134640
GTTTATGACA TTGTTTAAGT TATTACATAA TTAATTCATA AAGATAATGA CTAGTTTGAA 134700
CTACTGACAG CTCACACATC ATCAGTTGAA CAGCAGAAAG CTTATTAAGC TACTTTCTTA 134760
TGTTTCTGTC TCCCAGCTAC TAAAAGAAAC GAAACCTTC CAGGTGTTAA GGCAAAACTT 134820
TCCTCCCCCT TTCTTCTATA AATCTGATTC CATGTTAGTG AAATTTCTAC TGATGGCTTT 134880
GGTTTCTCT ATAGTAGAAT AGAGATCCTA TGGCAAAAGT CATGTCTGAC ATGGTAGCAA 134940
ATAGAAATGG GGAAAGGAA GGTCTGCAAG AGCCAATGTG GGAAATGGGG AGAGGACTGA 135000
CTACAAAAAC CCAGCAGGAA TTCCAGAAGA AACTCCTCA GGACGGGCAC ATTGGCTCAT 135060

GCCTGTAATC CCAGTACTTT GGGAGGCCGA GGTGGGCAGA TCACTTGAGT CCAGGAGTTT 135120
GAGACCAGCC TGGTCAACAT GGCGAAACCT CATCTCTACA AAAAATAAAA AAATTTGTCA 135180
GGCGTGGTGG CATGCACCTG TAGTCCCAGC TACTCAAGAG ACTTAAGTGG GAGAATCACT 135240
CGAGCCTTGG AGGTGGAGGT TGGTGAGCCG AGATCACGCC ACTGCATTCC AGCCTGGGCG 135300
ACAAAGTGAG ACGCCATCTC AATCAATCAG TCTCCTCGAA AAGCAACATT ATGGAGAGAC 135360
AGGATTCCGT CAAGGCCTGG GGCACACAGG AAAATATTAA GGCAGAAGAG AGTTTCCTCC 135420
CCACACCACA CCGTATCCCA CAGGCACTGC GGATGTGCAT ATGCAAGAGG GGTTGATCCT 135480
AAGAATTTAG AGTCACAGAG GAGGAGGCAC CAAGCAGACT GTGGAGAAAG TCATGACCAG 135540
AAAGGGACAG AATGTAAAGC TTCAGCTGAT TATCTGGCCT CAGGGATTCC AGAGGAAC TG 135600
GTCCCAATGG TCTCCTGGTG ATGTAGGTTT TTAGGTTTCT TTTACAGGGG TTTTCTGGGA 135660
GATCGTTGAC CCAGTTAGCA TTCAAGCAAC TTCCACCCTG CACTTTTATT CTTTCCCCTT 135720
CACCTGCTTA GGTTTTATCT GTCCAGGCAA TAATAATAAAA ATTATTGAGC CCTGGACATG 135780
TACCTGTAAA GCTCCTTAAA GATGATGCCT TCTAACTCCT CATTCAACAG ATACAAAAAC 135840
ATTACAATAA AATGACTCAT GCAAGACACC CAGGTAGTTT ATAGCAGCTA ATAAAAACAG 135900
AATAACTATA AAATATGGTA AGTTTATAAA AGTTACATTG AGTATACTTT ATAAGAACTG 135960
CTTATTGAGT TTGCCTAATA ACCACACAGC ACAATAATAA TATGTATATA TTTTAAATA 136020
TGTGTAAATA TGTGTAACAC AAACCTGTAG AAGGTATATC TGAGTACAAC CCTATTCTGT 136080
TTGGTTACCT TTTCTAGTTC ATTATGTAAG TGGCATAGCT ACCTAAGGAC TTATGCTTAT 136140
AAATGTTACT CAAAAAATA CAGAGGACAT ATGTGGATAG ATAATGGAAG AGATAAGATA 136200
GGTAGGTTGA AGGGTTGGGC TGCCCCCTCCA CACCTGTGGG TGTTTCTCGT TAGGTGGAAT 136260
GAGAGACTTG GAAAAGAAAG AGACACAGAG ACAAAGTATA GAGAAAGAAA AAAAGGGGTC 136320
CAGGGGACCG GTGTTTACGA TACGGAGGAT CCCACCGGCC TCTGAGTTCC CTTAGTATTT 136380
ATTGATCATT ATTGGGTGTT TCTCGGAGAG GGGGATGTGG CAGGGTCAAA GGATAATAGT 136440
GGAGAGAAGG TCAGCAGGTA AACACGTGAA CAAAGGTCTC TGCATCATAA ACAAGGTAAA 136500
GAATTAAGTG CTGTGCTTTA GATATGCATA CACATAAACA TCTCAATGAC TTGAAGAGCA 136560
GTATTGCTGC CAGCATGTCC CACCTCCAGC CCTAAGGCAG TTTTCCCCTA TCTCAGTAGA 136620
TGGAATATAC AATCGGGTTT TACTGAGA CATTCCATTG CCCAGGGACG AGCAGGAGAC 136680
AGATGCCTTC CTCTTGCTC AACTGCAAAG AGGCGTTCCT TCCTCTTTTA CTAATCCTCC 136740
TCAGCACAGA CCCTTTACGG GTGTCGGGCT GGGGACGGT CAGGTCTTTC CCTTCCACG 136800
AGGCCACATT TCAGACTATC ACATGGGGAG AAACCTTGGA CAATACCTGG CTTTCCTAGG 136860
CAGAGGTCCC TGTGGCCTTC CTCAGTGTTT TGTGTCCCTG AGTACTTGAG ATTAGGGAGT 136920
GGAGATGACT CTTAACGAGC ATGCTGCCTT CAAGCATTTT TTTAACAAAG CACATCTTGC 136980

ACAGCCCTTA ATCCATTTAA CCCTGAGTTG ACACAGCATA TGTCTCAGGG AGCACAGGGT 137040
TGGGGCTAGG GTTAGATTAA CAGCATCTCA AGGCAGAAGA ATTTTCTTA GTACAGAACA 137100
AAATGGAGTC TCCTATGTCT ACTTCTTTCT ACACAGACAC AGTAACAATG TGATCTCTCT 137160
CTCTTTTCCC CACAGGAGGT GATGGCCGGA AGAACATGGC AGAGGGCAAA ACAAACAGC 137220
ATTGGGAACA AGCTCTGTTT AAAAGGAGAC TTGTGAACAG CAAAGAGTAG AAAGGGTTCT 137280
CTTACAACCTG AAGCCCATGG AAGACAAATG TGTACTGCGT GAGTTTTAAG GCAATAGGAG 137340
TAGTGGGACC TAGGGCACAC CAGAGAGCAT ATTAACCTCTC AAACTTTTAA AAACATTATA 137400
TCTGCTGGAC ACAGTGGCTC ACACCTTAAT CCTACAACCTT TGGGAGGCCG AGGCGGGCGG 137460
GTGTAGCTTG AGCCCAGGAG TTCGAGACCA ACCTGGGCAA CATGGCAAAA TCCCGTCCCT 137520
ACAAAACAAA CAAACAAAAA ACAAATTAG CCAGGCACGG TGATGCGTAC CTGTGGTCCC 137580
AGCTACTCAG AGGCTGAGGT GGGAGGATCG CTTGAGCCCC GGGAGGTAA GGCTGCAGTG 137640
AGCCATGATA ATGCCACTGC ATCTCAGCCT GGGCAACAGA GGGAGAACCT GTCTCAAAAC 137700
AAAAACAAAA ACACACCATA CCCAACCACA ATGCATCTGT CTTAAGTACC AGTACCACAC 137760
CCCTCTACTC ACTACTAAAT AGGTGAGTTC CCAATCCCTG GTAGCAGGTT TAAGCATGTT 137820
ATATTAAAGG TCTTAGGCTA GTGACTCATT CACTCATTA ACAAATACTT ATTGTGCATC 137880
TACTATAAAC TAAGTACTGT GCTAGGTACA AAAGCAAATA ATCTAAGCTC TATAAACTTT 137940
ACTTTCTTCA TCAACAAAAT GGAGATGTTT TAGGCATCTA CTCATCATTC TGAGCTCCAT 138000
CTTTTGTGAC TGTAGTTGGC AGAGCTTTTT ATCAGTTTCT CTAAATAGCT CTACCAGTCC 138060
CTGGTGGATG CTGGCATGCC CAAAGGATCC ATCCTGATGG CCCTGTCTGC TTACCTTACC 138120
TGCCTGCCTT TGCAGCACCG CTCTGCTCTT CTGCAGGACT TCCCTTATCC TTTGGGGTCT 138180
TGCTGCTCTT AGGCTGCTCT GCTTGTTTTG ATCTGCTTTG CATCACATGT ATGTAAAGGT 138240
CCTTTCCTTA TTTACCCATG ACCAAGGTAT TATGAGATTC TGAATTTCC CCAAACCACA 138300
TTGATTGCTG GGAGAATAGA AGAAGTGGAT TACAAGTGA ACTTAGAAGG GGAGTATTCG 138360
AGAAGACGTC TCTGCAAATC CATTTAGAGA GACCTTTCTC CAGTGGTGAC TCAAAGATGC 138420
AGCTCCTTTC ATCCTGTGGC TTGGCCATCT TCAGCACATG GCTCCCAAGG ATGTCCCTCAG 138480
GATGGTCTCT AATCCAAGGA GCCTGAAGAG AAAAAAGGC ATGGAGTATT GTGAGTGGTA 138540
GGTGGTTATG GACCAGTTAT GGAAGAATAC ACATCACTTT TGCCACCTT CTACTAACCA 138600
GAACTCACAC AGCCATAGAC ACTGACAAGT AGGACTTAAC AAGAATCTAA TTTTGAGTCT 138660
AGGAATACGA CTGTAGCAA TATTTAACAG CTTCAAACAC AGGTGCATTG CTATCACTAT 138720
GCTTGGCCCA GGCCTGTCTC CCTTTCCTGC CATGTCACAG GGGCCAGCAT TTATGTCTAG 138780
ATTGGGTTGG TTGGGATATT AAGACAATA TGAACCAATA CAACATCTTG AGCATAAAAC 138840
CAACTGATAC AATGATGTAC AAGTCAGATG ATTCTGATGA TTATGAATTA TGTCAATAAA 138900

AGAAATGTGA TAACTAAGGT AATTTTTGTT TTGGCAAATT TTTGTTTGTT CATGACAGGA 138960
 TGAAATCCTG TCATTTGTAG CAACATGGAT GGAATTGCAG GATACTACAT TAAGTGAAAT 139020
 AAGCCAGAAA CAGAAAGTTA AACACCACAT GTTCTCACTT ATATGCAGAA GCTAGCTAAC 139080
 TAAGTAAATA AGTTTATCTC ATTGAAGTAA AAAGTACAAC AGAGATTACT AGAGGCTGGG 139140
 AATGGTAGGG GAAAGAGATG ATAAAGAGAG ATTCATTAAA ATAAGTTACA GCTAGATAAG 139200
 AGCAATCAGT TCTAGTGTTT TATTTGTACT ACAGAATGGC AATAGTTAAC AGTAATAAAT 139260
 AATTTCAAAG AGCTAGAAAA GAGGACATTG AATGTTTCCA ACACAAAGAA ATGAGAAATG 139320
 CTTGAAATAA TGGATATTCT AATTAATTAC CCTGATCTGA TCACTATACA CAGTATGTAT 139380
 AAAAATAACA CTATGGGCTG GCGCAGTGG CTCACACCTG TAATCCCAGC ACTTTGGGAG 139440
 GCCAAGGTAA GCAGATCACT TGAGGTCAGG AGTTAGAGAC CAGTCTGGCC AACATAGTGA 139500
 AACTCCATCC CTAATAAAAA TACAAAAATC AGCCAGGCGT GGTGGCATGT GCCTGTAATC 139560
 CCAGCTACTC AGGAGGCTGA GGCAAGAGAA TTGCTTGAAC CCAGGAGGCG GAGGTTGCAG 139620
 TGAGCCGAAA TCGCGCCACT GCACTCCAGC CTGGGTAACA GAGCAAGGCT CTGTTTCAA 139680
 AATAAATAAA TACATAAATA AATATTTTTT AAAAAAGAA CATCACTATG CACCCCATAT 139740
 ATACATATAA TTATTATGTC AATTTGAAAC ATAATTTTGA AAAATGAAAA AATGAAACAC 139800
 AAATATGAAT CAATCCTCTC CAAGTTGATA TACTTAAAAG GAAAAAAGTC CGAGGGCTTA 139860
 AACTATTCAA TCAAAATTTT ATTAAAATGC TATAGTAATC TGGAAAGTAT TTCAGAATGA 139920
 ATTGGTATAA GGTTAGACAC AAAGATCAGT GAAACAAAAT AGAGAACCCA GAAATAGATT 139980
 CACACATCTA TGGACAACCT GTTTTGACAA AGGTGTCAAG GCTATTTAAT AAGTAAAAAA 140040
 ATCGTCTTTT CAGTAAATGT TTCTTGAACA AGTAGACATC CCGTGTGGGG GAGAGGAGCA 140100
 GGAGCCTTAC CTCAAACCTT ATGCAAAAAT TAACTCAAAA TAGACCATAG ACTTAAATGT 140160
 AAAAGCTAAA ATTATAAAAC TTCTTTAAAA AATAGGAGAA AATCATCAAC ACCCTAGGAT 140220
 TAGCAAAGAT TTCTTTAAAA CAAAACAACA GGTTTATAGT TTATAAAACA TAAATAACAA 140280
 AATGATAAAT TTCATCAAAA GTGAAAATTT GCTTTTCAA AAACATTATA AAATGAAAAG 140340
 CAGGAGGCTG AGGCATGAGA ATCACTGGAA CCCGGGAGCT ACAGGTTGCA GTGAGCCAAG 140400
 ATGGTGCCAC TGCACTCCAG CCTGGGTGAC AAAGTGAGAC TCTTCCTAAA AAATAAATAA 140460
 ATAAATAAAT AAATAGAAAA GAAAAAGAAA AATCACAGGC TGAGAGAAAA TATTTATAAT 140520
 ACATGTATCT GACAAAGGAC TCGCACCTGG AAAATATAAG GAACCTTATA ACTTAGTAAG 140580
 ATGACAAGCC AAAACAAAGA GTAAAAGTTT TCAACAGACA TTTCACAAAA GAAAACATAC 140640
 AAATGGCCAG TATGCACATG AAAAGATTTT AAACATCATT AGTTACTAGG GAAATGCAAG 140700
 TCAAAACCAC AATGAGATAC TTCACATTCA ACAGAATAGC TAATGTTAAA AGGACTGACA 140760
 ATCCCAGGG TGAGCAAGGG TGTGGAGGAA ACTACTCTCA TATATTGTGA ATGTAAGAGG 140820

ACAATGTTAC AACTACTTTG AAAAAAGTTT GGCTGTTTCT AACATAAAAT TAAACACTTA 140880
 TACAGCCCAG CAATATTTCT GGGTCATTTT TCCCAGATAA ATGAACACAT GTCCATACTA 140940
 TGACATGTAC AAATGTTTCAT ACTGGCTTTG TTTCACAATG CTATAAACTG GAAACAACCC 141000
 ACGTGTCCAT CAACAGGTGA ATGGGTAAAT AAATTGTAAT ATATCGGCCA GACGCAGTGG 141060
 TTCATGCCTG TAATCCCAA ACTTTGGGAG GCCAAGATGT ACGGATCACC TGAGATCAGG 141120
 AGTTTGAGAC CAGCCCATCC AACATGGTGA AACCCCATCT CTACTAAAAA ATTAGCTGGG 141180
 CATGGTCACG GGCGCCTGTA ATCCCAGCTA CTCGGAAGGC TGAGGCAAGA GAATCACTTG 141240
 AACCGAAGAG GCGGAGGTTG CAGTGAGCCA AGACCATGCC ATTGCACTTC AGCCTGGGCA 141300
 ACAAGATGGA AACTCCATCT CAAAAAAAAA AAAAAATTGC AATATATCTA TATCTTGGA 141360
 TATTATAAAG CAATAAAAGG GAATAAACTA CTGATATATA CACAAAATGG ATGAATCTCA 141420
 AAAATGTGAA GGAAAATAAA AAATACATAT GATATAAATT CCATTCATAT GAAATTTTAG 141480
 GAATGGGAAA ACTAAGCTGT AATTATGGAA AGTACATCAG TGGCTGCCTG GGGCCAAGAG 141540
 GATGGAAGAG GCGGCACAGG TGATACTACA AATGGAACT ATCTAGGTTG ACGGAAGTGT 141600
 TCTGTAACCT GATTACAGTA GTAACGTGTT GGGTATATAA AACGCATCAA ATTGTATAAT 141660
 TAATACAGGT GTATTTTACT GTGTATAAAT TATTCCTCAA TAAAGTTGAT TTTTCATTAA 141720
 ATATATTATT TGCTAAATG AGGAGAGACA ACTATTATCT TAAAATAGTT AAGCACAATA 141780
 AAAATACTAC AATCAACTCA TTATATATGG AAATTAAAGG AGAAAAATAG TGGTATGATT 141840
 AATTAAAATA AAAAGAAAAC CTTCTAAATT TTATCTTAGC TCATAGTTGT AAAAGCTGCC 141900
 ATCCCTAACC AAGGCCACCC TTGACCCTTT CTCATGTTCC ATCTTTCTGT TTGTTTCATA 141960
 GTTTATGTCT CACCAAAATC TATCAGATAA ACGTATTCAT ATGAAGATTT AAATATATTA 142020
 CATGTTAAGC CTTAGCGAAT ACTTCAATAT CTAAAGAAGG TACAAACAAA ACAAAAATCA 142080
 ACACTTAGTT ATAAGAGATT ACATACTCTC CAGGGAAGAC CTGAAGACTA GCCCCTTTCT 142140
 GGATCCCCT AGCCCTCAT CCCACTCCAA GCCCTCCCCT CCAATCCCAT ATGCACTGGG 142200
 CATTCATACA AATAAGACCA TCAGCTCTGG ATATCTGTAC TGATTGATGC TCCTGCTAAC 142260
 TACCTGAATG ATTGCGATGT AAGGACAGCA CTGCCTGAAT CCTATTTATC TCTCGCTATG 142320
 CCATAGCGGC CTTCCATGCT GATGGCGTGT TTGAGGATCC AGAGGGGTCT TTGGTTGGCA 142380
 GGATTGTTTT ATTTCCCCAA GAGGAGAGCC TTGATGCAAA AATAGGTGAA GAAATCAGTA 142440
 CAACAAAACA GAAAGCCTAG AAACACTAT GAACACAATA GAGCAGAAGT AGCCTTAAGA 142500
 GTTGGTGGAG AAAGGATGGT CTATTCAATT ACCTGAGCTG AGAAACTGGC TTTCATATGG 142560
 AATAAAAATA AAATTATAGC TATACCCCAT ATCATAACACA AAAGTTTCTA CATCTAACAA 142620
 AGACACAGAT AGAAAATGTT TTAAAATTTT AGAAGAAAAAT AGTGCAGAAT TTTAGTGCAG 142680
 AATTTCTTAG ACTAGATGCA AAAACAAAAA TGATTAAAGT GGCCAGGCAC GGTGGCTTAT 142740

GCCTGTAATC TCAGCACTCT GGGAGGCCGA GGTAGGTGGA TTAGTGGAGG TCATGATTTT 142800
 GAGACCAGCC TGGACAACAT AGTGAAACCC CATCTCTACT AAAATACAAA AATTGGTAGG 142860
 GTGTGGTGGC TCACGCTTTT AATCCCAGCT ACTTGGGAGT CTGAGGCAGG AGAATCACTT 142920
 GAACCTGGGA GGCAGAGGTT GCAGTGAGGG GAGATGGCGC CACTGCACTC CAGCCTGAGC 142980
 AACACAGCGA GACTCTGTCT CAAAAAATC TAAAAATAAA AAGATTATTT TTAAAAGACT 143040
 ATTTTAAACA AAAAAATCG TTAAATGAT ATGATACACT ACATCTAATA TTTGGAAAAG 143100
 TACTTCTTAA TACTTTTAAT AAAAAGAGGC GCTGAGAGCA TACAACCTAT CCTCAGAAGA 143160
 GTGTTTGACC TCTAGGAGGG ACGCAAGCGC GTTCTTCCTT CATTTTAACT GGTCATTTTC 143220
 ATTTATTTCA GGAACATCTG AAGTAAACAC AGTCACACGT TAACCTTTAA AAATCTAGGA 143280
 GGTGCGTACG CATAGTTCCA TTAATTCAAT TTTTGTACTT TTGCATTTTA AAATATCACA 143340
 GGGAAAGCTCG GTACAGCTTC AAGGCTAGGA GGGGTGGCTC TCTCTTAAGC CCTGTCCCCG 143400
 CCAGCCCCAG ACCTCTCGTC CCGCCCCCAT TGCCCAGTCC CCACCCTCAC TTCCCCATTT 143460
 CCCCCTCCC GCGGTCTCTT AACGCACCTG TTTTTCGTCC AGTGGACTCA GACCTGTACT 143520
 CTTCCACCAG GATCGGCTCC TTTCCCGGAG CTCTCGCTCT TAGAGGAAAT TGAGAGAAGC 143580
 ATCAGCGGAG ACCCATCTGT GGCTCTCCAG AGGGCGCGGC ATTCAGACCC CAGATCCAGC 143640
 TGTGAGAACG GACCCAGGC TCACACCAGG CCTGCGGGAG GCGGCCACC AGAGGCGCTA 143700
 GAAAACAAGC CTCGCGGGGA GCGCGCAGG GCGACTGCAA GCTGTAGGGG GCGCTGGCGC 143760
 CCTCACAGGC CAGGGGAGG GCCGGCGCTG CGGGCGGGGC TCCTGCGGCG TGAGGGGCGG 143820
 CCCCAGGCCA GCAGCTGCGC CCTGGCTGGG AGCCGGGGAG CATTTGCTGC TCTGCTGGAC 143880
 CCTGAGTCTG GCGGCGGGCG GCCTCCTCTC CGCTCCCCGC CCGCCATCCC CCAACTCCCG 143940
 ATCTCTCTGC TCGTCTGGC CTCAGGCTGA GACCCCAACG AATCATTCCC CGCATGGGAA 144000
 CATTTTATGA TATAACTGAA TTCAGTTTTA TGTATAACTG AATTACGGAT ATGAGAATCT 144060
 CAAATGAGGA CGAATGGTTT TTACGCACAA AACATGAGAC ACAAATCTGT AAGAAATATA 144120
 AAGTCGTGAC CACGTCCTTT CAGAACTTTA ACCTGTTTGC TGAAGTACGT CAGTAACAAT 144180
 GGCAGGGAAA GGGTATCTTA AATTTACCA CAGCCTCAAA GAGGCCATTT CGTGGATCCG 144240
 CTGAGGCTTG GAGTCGGCCT TCTGACCACG AGTCCTGCGG CTATGAAAGA GGAAGCCGCG 144300
 GTTCAGGGCG TCCTCGCGAG TCGCGCAGCC CGCCCTGCTC CAGCTGGGGA CACAGGTGGT 144360
 CACGGCGCTT TCCAGCTGCA GATCCAGGCG GCAGCCCAAG ATTTGGTCCA GCCGCCAAGG 144420
 GGTGGCTCGA GTGACTGACG GGCTTGAAC GCTCCCAGGA CCCACATCTG GAGAGGGAGG 144480
 TGGGGTGGG GTGCTGAAGT CATTCTTGGG GCCCTGGGG GCGGGCATGG ACCTGGGTAA 144540
 GGCCAGAGAA ATTGACACCT CGTGACATCC CTGGAAGAGA AGTACGTTCA GTGTCCTCC 144600
 AGAGCTGAAA GATACCGCCT TCTGGCTGGT CCCTCCTCAC CTACATACTT TTCTAATTTG 144660

TCTGGAGCAG GCCGGGCATC TGTATTATCT GGTATTTTAA ATATCTGGTT ATTTAAAAGC 144720
TCTCCATTAA ATTACATAC ACGAAAATAA AAATTAAAAA AAATTTTAAA AAAAAGAAAC 144780
AAAAGCTCTC TAATGACCAA GTCCTACACG ATAGTGAATA AATTTTTTTG TGTGGTCCCT 144840
AAAATTGAGT TCATGCCTTT TCTGAAGTAA TAGACGCCCA GAGAAGGGAT CGACTTACCC 144900
ATCATGCCAC AGAGATTAAT TGGCCCCAGA ATTCTTTAGC AGACCGTGTA TATGAACGTC 144960
CTTTGCAATC ATATAAATTA ACTGGGAAAA CCTCATTTAG TATGTTACAT GCCTAGCGTT 145020
TTGTGCCTGA ACACCTTACA AGAACCAGGG ACTATTGCCC CAATATTATA TTTCAGGAAA 145080
GGAAGGCCCA GACAAATGGT GTCACTGGTC CACTTTCACC CAGTTGGTAA ATGAAACCAG 145140
AAATTATAGC TGTACCACAG AAAGGTGAAA ACGTTTCTTT TATAATTTCA CATACAATCT 145200
TTAATGGACC CAGTGTCCAA CACATTAAAG CAAGTGCTCA GGAGTGACAT CAAGATGTAA 145260
AAAATAGTCC TGTCTCAGG GAGTTTAGGT CTTGGAGAAA AGAGACCCAA GGAGACACAA 145320
GACAAAGGGG AAAGAGAAGG AGCGCTGAAG ACTGAGGACC CTGCCTGTGG ACTGAAGTGA 145380
GGATGGGGAC ACCCGATGCC CGGAATATGA CAGTTTGGAG GGGCCTGAAG GACTCTTCTA 145440
TTCTCTATCA GAAAAACAGA ATTACTCTCC TAACCAGAAA AGGTATTTCA ATTTATATTT 145500
TCCATCACAG CACTTTTCTG GTGATAATTT AATGTGTTTT AAAAAATGTA TCACAGTGAT 145560
GGCCTGGTGT GAAATAAATA ATAAAATTTT AAGAATTAAA AAATATAAAA ATCTTTTATA 145620
TAGACATTAG GAGTTACAAG GATAACTGTG AATTATAATT AGTAATTAAA TTGAAATACT 145680
GATTATTTTC ATTTTTATTT AATTATTTAA TAAAACCTAT TTAACATTTA ATATTTATCA 145740
GTAATTAAAT CTAATTGTTA ATATTTATTA TTATAAATTA TTTTAGAATT AAAAATAAGT 145800
GTAGAAGCGA GGCATGGTGG CTCAAGCCTG TAATCCCAAC ACTTTGGGAG GCTAAGGTGG 145860
GAGGATTGCT TGAGCCCAGT AGTTCAAGAC CAGCCTGGGC AACATGGAGA AACCCTGTCT 145920
CAATACAAAA AAATGAGCCA TGTGTGGTGG TGCGTGCCTG TATTCCCAGC CATTCTGGAG 145980
GCTGAGGTGG GAGGATGACT TGAGCCTAGG CAGTCAAGGC TGCAGTGAGC CCTGATCTTG 146040
CCACTGCACT CCAGTCTGGG CAACAGAGCA AGACCCTGTG TCAATATACA TATGGACAAA 146100
CTTAAATTTT AAAATGAAAG CATACTACTG ATACAGAATT GAGTAGAGAT GCAAAGCTAG 146160
TCCTATAACC AGAACAATAA AGATAAAAAAG GAGAGTGGAA GAAGGTATGT CATGAATTTT 146220
ATGATAAATG GCAATTGCAA ATATCCTGTA GCAGAACAAA ACAACAAAAT TGTAGATAAA 146280
ACATATCCAA CCCTTTGGAA GGCCAAGGAG GGAGGATTGT TTGAGCCCAG AAGTTGGAGA 146340
CCAGCCTGGG CAACATAGTG AGACCCTGTA TCTAAAAAGG AAGAAAGAAA AAAAAAAAAA 146400
AGGATGATAA AGTAGACAAT ATTGAAAGCC ATTTTCTGCA AATACATAGT GAATTTGATC 146460
AGTAATTTTC TTCCAACAGT GCAAAAATGA ATAGATATTA GTTGCCTGAA ATAAAAATCA 146520
AATATCCAAC AAAAAATATT GACTATCTAA TAGTATCTAA GCTAGTAAAT TTGGCCAGTT 146580

ATAAAATGTC TTAAATTTTT ATTTAAAAAA AGAAAACCAT ATTTATAAGA AGAGGTGATA 146640
 AAGAGAAATT ATTTTCAGTTA TGAAGATTTT GTTAGAAAAAC TATGAGAAAA AACTATTTTT 146700
 TTGTTTTCAA AAAGTGAAAG ATTAAGTTAC CAAACAGTTG CTAAAGAATA CCAGATGGCT 146760
 GAGCGTGGTG ACTTATGCCT GTAATCCCAG TACTTTGGAA GGCCAAGGCA GGAGGATCAT 146820
 TTTAGGCCTG GAGTTCGAGA CCAGCCTGGG CACTGTAGCA AGACCCGTCT CTATTAAAAA 146880
 AAAAAAAAAA AAAAAAAAAAG AATACCAGAC CTTGCTAACA ATAGCAAAGA TCAATTAATT 146940
 CAAAATTTGA AAAACTGTAA TTTATTTAGC TTTAGAGTAC TCTCGTGATA TGAGATTGCC 147000
 AAATTAATAC TTTGGGTGCA TTTCTTTTCT CAAAGGACTT GCAAATTTAC AAAGAAGTGT 147060
 TGAAGAAAAG CCACACATTG GCAGGTAATG TTTGCAAAAG ACAGATCTGA TGAAGAACAA 147120
 TATTTTTAGA ATATACAAAG AATACTTAAA ACTCAACAGT AAGAAAATAA CCTGATTTAA 147180
 AGCAGGCCAA TGACCTGAAC ATCTGTTTAC CAAAGAAGAT ACACAGATGC AAGTATGCAT 147240
 ATGAAAAGAT GCTTGACATC ATGTCATTAG GGAAGTCAA ATTAATAACAA GTAGATACCA 147300
 CTGCATACCT AGTAGAATGA CCAAATTTA GAACACTGTC AGCACCAAAG GTTGCAAAGA 147360
 TATGTAGCAA TAGTAAGTTG TTCATTACTG GTGAGAAATGC AAAATGTGCA ATCACTTTGG 147420
 AAGACAGTTT GGTGGTTTCT TACAAAAGTA ACCATACTTT TACCATAAGA TTCACCAATC 147480
 ACACTCCTTA GTATTTATCC AAAGGAATTG AAAACTTATC TCCACACAAA AACCTGCACA 147540
 TAGATGTTTA TAGCAGCTTT ATTCATAATT TATCCAAAC TTGGAAACAA GATGTCTTTC 147600
 AGTAGGTAAG TGGATAACTG TGGTACTTCT GAATAATGGA ATGTTATTTA GAGTTAAAAA 147660
 GAAATGCATT CACTTTGGGA GGCCGAAGTG GGTGGATTGC TTGAGGCCAG GAGTTTGAGA 147720
 CCAGCCTGGT CAACATGGGA AAACCCCAAT TAGCCGGGCA TAGTGGCGTG AGCCTGTAAT 147780
 CCCAGCTACT CGGGAGGCTG AGATATGAGA ATCGTTTGAA CCTGGGAGAT GGAGGTTGCA 147840
 GTGAGCCAGT GCCACTGCAC TTCAGCCTGG GCAACAGAGC AAGACTCCTC TGTCTCAAAA 147900
 AAAAAAAAAA AAAAAAAAAA AAAAAAGAA AGAAAAGAAA AAAGAAAAAG AAAAGAAAA 147960
 GAAACGATCA AGCCATGAAA ACACATGAAG GAACTTAAA TGTATGTTAC TAAAAAGCCA 148020
 ACCTGAAAAG ACTGCATACT ATATGACTCC AACTGATGCA GGGCAAGCAA GCCAAAAATT 148080
 AGGGCTTAGC CCGGGAAGAA TTCAAGGGTG AAGTGGTGGT GTTAGCAACT TTTACTGAAG 148140
 CAGCAGTGTA CAACAGCAGA ACAGGTAAGT CTCCTTGCTG AGCAGGGCTA ACCCATAAGT 148200
 AATGTGCCCCA GAGTAGCAGC TCAGGGGCAG TTCTGCAGTA ATATACCTGC TTTTAGTTAA 148260
 GTGCATGTTA AGGGGGATTA TGCAGAAATT TCTAGAAAAA GAGTGGTAAC TTCGGAGTAG 148320
 GTACAGAGGA AAGAAGTCGA TAATGTCCTG TTGTTGCCAT GGCAACGAAA AACTGACATG 148380
 GCGCTGGTGG GCGTGTCTTA TGGAGAGGTG CTTTAACCTC GTCCCTGTTT CGGCTAGTCT 148440
 TCAATCTGGT CCGGAGTAAA GTCCCTGCCT CCGGAGTTCA CTCCTGCTTC CTGCTTCACA 148500

ACTGTATGAC ACTCTAGAAA AGACAGTAAC TATGGACACA GTCAAAAGAT TAGTTGATAG 148560
 AAATTGGGTG ACAGGAAGTG TTGAAAAGGC AGAACACAGG ATTTTGTAGG CAGTGAAACT 148620
 TCTGTGATAC TATAATGGTG AATACATGAC ATTATACATT TGTCAAAACC CATAGAAAGC 148680
 ACAACACCAA GAATAAACCC TAATGTAAAT TACAGACTTT CGTTGATAAT GACGTGTCAA 148740
 TGTAAGTTCA ATTGTAATAA ATGTACTACT GTGGTGCTGG ATGTCTATGG TGGGGGGACA 148800
 TTTTGTCTTC AATAGTTACA GTTGAAGTAA ATGTTTGTGT TTCCACAAT GCATATGTAG 148860
 AACTCTCAC ATTCAATGTG ATGGTCTTTG GAGGTGGGCT CTTTGGGTGA TAGTTAGGTT 148920
 TAGTTGAGAT CCTAGCAGAT CGAGTCTTCA TGATGGGCAT GATGGGACTG GTCCCTTATA 148980
 AGAAAAGACC AGAAAGCTAG CTCTCTCTTT GCCATGTGAA GACATAGCAG GAAGGTAGCC 149040
 ATCTGCAAGC TAGGAAAGGG CCTTCACAAA GAATCAACTC AGACCTCAGA ACAGTGAGAG 149100
 ATAAATTGTC GTTGTTTAAG TCACTCAGGC TGTGGTATTT TGTTCAGCA GCCCAACCTA 149160
 AGACTGTAA TTGGATTAGA AATTTCTTTT TGGGGATGGT GTGTGGCGGG GGGTGCGGGG 149220
 AGTACCTTTG TTAAGCTTTT ATATCAATGA GTTTGTAGGC TTTTCTTTTT TGGTCATTGA 149280
 CTAGGACAGT TTAAATAGTA TGAGTGTGAA GGAGATTGTT GGTCACTAT TCGATGTCCC 149340
 TTCTCTGTTT TTTAATATGA GAACTCCTGA TTTTCAGCCA ACTACCCTGG AAAAAAGCT 149400
 AATCTTTCTG ACTTCTTAAG TGTGGCCATG TACTAAATTC TGGCTAATGC AAGGCAAGCC 149460
 AAAGGTTTTA TGATAGGTTT TAGGACACTA GAGTAAAAGA GAGCTGTTGC ACACATGCTC 149520
 TTCACCCTAC TTTTGTGTCC TTTTTTCCAT CCTACAACCTT GGGTTGTGAG TATGATGGCT 149580
 GGAACTTTAG TGGCTCTCTT GGATCCCAGG GGTAATTGAG GGGTGGCTGG AAGGAATCTG 149640
 TGATTTTCTG GAGTTTCCAT ACACAAACAA GACCTGGATT TTCTGGGCTT CCCAGACTTC 149700
 CACATCTAGA CTTGCTTTAA ATGGGAGAGA AATAAACTTG TTTCAGCCAC TGTCATTTTG 149760
 GGCTATTTTA TAGAACTTAA TCTAATCTTC AAGGGTACAT GAATTGCTTT TCCTTAAAAA 149820
 AAAAATCAGC CATAAAATCA TCTTCTTTTT TCTTTTGTTT CCCACATTAT TTAGTTGGAG 149880
 CTCTGTAACT TTTTTTTTTT TTTTTTTTGA GACAAAGTCT TGCTCTGTCA CTTAGGCTGG 149940
 AATTCAGTGG CATGACCATG GCTCACTGCA GCCTTGCCCT CCTAGGCTCA AGCAATCCTC 150000
 GTCTCAGCCT CCTGAGTAGC TGAAACTAAG GCACATGCCA CCATGCCAG CTAATTTCTT 150060
 TTCTTTTAGA GATGGGAGCC TTGCCCAGGC TAGTCTCAAA CTCCTAGCCT CAAGTGATCC 150120
 TCCCATCTCA GCCTCCCAA GTGACAGGAT TACAGGTGTG AGCCACCATG CCTGGCTGCT 150180
 CTGTAAGTGT CTGAATTTCA TTTTGTATTT ATCAGTCTGT TTAGATTTTC TTTCCCTTCT 150240
 TGGGTCAGTT AGGCCATTGG TTTCTTTTTA AAGGTTTTCA AATTTATTTG CATCTAATTC 150300
 TTCAAATTAC TCTCAAAATT ATTCCAGTAT ATATTCTTTT GTTCCTATTT TCTTCTGTAT 150360
 TCTTTATTAA AATAGCTAAT GATTTATCTA GCAGGACTTA TATTCTTTCC ATAACCTTCC 150420

TGCACCCCAA TTAATCTCCA ATTTTATATT TCTTCTGGCC TTCCTTATAG TTTCCACAGG 150480
TTTATTTTAT TCATTTTTTA AAACTTTTAT TTAATTGTTT ATTTTATTAT CATTCCTTCT 150540
TATTCAGCAA TCTAAGTGCT TAGGGATATA GAATTTCCCTC TAAGCAGCAT ATGCTAGGCT 150600
TTAACAATGT TAGGGAGGCC TCCCCTTTCT GGGGAAGACC ACACTTACAT TAACACAGGA 150660
CTGTGGGATG CCAAGAGGTA GAGAAGAGCT TATGAATATC CAGATTACAT CTTCACTGAT 150720
CCTGCACAAA GGTGGGGTTC CTCGGTTACC CACTGGGTCC TATTACCCAA GTCTGGGTCA 150780
GCATACCGAG ACTACGGGTA TATAGAACAA GTGCAACTGG CGATAATCCT TCTGTTGGGG 150840
AGAAAAATCT TTTTTTCTA TTCATCTTAG GTTCTCCATC TGTGGCCCTA TCAAGTAGAC 150900
TAACAAAAGA CAGATTGACA AGACAGAAAC AAAGCATGTG CATTGTACAA ACACAGGGGA 150960
GTACTGAGAT GAATACTCAA AAGAGGATTT AGAACTGGG CTTATATAGC ATTTTAAGAA 151020
AAGAATACAT TTTTAAAGTG ACAAGGAAGA CGAAAAGGAC TTTGAGTTTC TAGTGAGTA 151080
AATTGTGGGA AGGCAACTTT TTCTTTCCCT TTTTTTTTTT TTTTTTTTTT AAAAAAGAC 151140
TTCTCTGGTG CTATGTCCAG GCTGATAAGA GTCTAAAGTC TCTGGTGA CTACTTTTGT 151200
CTTCCCCGAG TAAGAAGACA CCTTCACAAT TTCATATCCT GCTTTTAGGC AAACAGGGAG 151260
AGGGCAGAGG TGTTTGTTTG TTTTAAATCT ATTTTTTTTC TCAATTGTCT TCAACTCAA 151320
ATACTTCTTA TGCCAAAGAT GGCATATTCT GCTACCCTTC ACTTACTACT TACAACCCAG 151380
CCTCTATCAT CATAATTAGA ACTTCTGACC CTGGGGAACA TGGGCAATAG TTTGAAGTCT 151440
TTTATATCTC CCTTAGGCAG AGATGGAGGC CCAGCCATGC CTCTGACATC TAGACACAAC 151500
TGTTGCTTCA TTTCTCCTAT TCTCAGAGGT GATGTTGTAG GACTTCAACA AATATCAGTA 151560
AACATTAATT TTTTTTTTCC TTGAGGCACA GCATGATCTT GGCTTACTGC AGCTGCTGCA 151620
GGCTCAAGCA ATTCTCCTGC CTTGGCCTCA CGAGTAGCTG GGTTACAGGC CCCTACCACC 151680
ATGCCCCGCT AATTTTTGTA TTTTATAGTAG AGACAGGGTT TCACCATGTT GGCCAGGCTG 151740
GTGTTGAACT CCTGACCTCA AGTGATCCAC CTGCCTCAGC CTCACATAGT TCTGGGATTA 151800
CAGGCGTGAG CCACCATGCC TGGCCATCAA TTTTATGTC AACTCTAAAT TATAACATTT 151860
AGCAATTTTG TGAATTTTTA TGGTCATCAT TAATGTTGTT TATGTTTTAG TTGTAGTCCT 151920
GTCATTACTC ACTCGGGTAT GGTAATTTGG TCTTTTCAA AATGAAGTTA AGGTCTATTT 151980
GCTCTTCTCT GAATCATAAT AAGAAGTCC AACAGCCATT TCAGCAATAA CTATTTACTG 152040
AGATTTTAAA ATATTTCAAG GTAATTGGTC CTAGCAGACT GGAAAATACC AAATTCTTTT 152100
CCAGAACTGA ATCCCCATC AAAGTTCAAT TTTACTCATA ATTCCCTTTT CATTTGAAGC 152160
ATCTCATTGT AAGCCAGTCT TAACCCTTCT CTCACACTTT GCTTGGCTGT TTCTCAGGTA 152220
GAACTCAGTA AGTCTGGTAG CCTCCAGGAC TGCCGCTTAG ATTATTAAAC AACATGTCAG 152280
TGGTTGGAAG AGTCAATGTT ATTTTGATTT TTCTGTTTTG TTTTGTTTTA AATGCAGTTG 152340

GCGGATAATT GCAGCTTTCT TTCATTCCCT ACATGAGTTC AAATGGCAGC AAACAAACTA 152400
 GGAGAACGCA GACCTTCTGA CTTGTGGGTA CCCCTACTCA TCACCTGAAG ACCCTTGGAA 152460
 ATCAAAGCCC TGACCCATTA AAGACGGATG GAGACAGCAA CATACGATCA TCACTATTAT 152520
 CTTGCTTTGC CCCAGTCCAG GTTAACCATC TGTGGTATTT TTAGTTGCTA AGTCCATATA 152580
 TTCAACATAA ATCAATTATA TATCCACTAA AATCTCAGCA CTAGTCTAAC TACTAAGGAA 152640
 ATGACAGCGA AGAAAACAGA CCAAACGTCT GCCCTTATGG GATTATATAT ATTTTCTCTG 152700
 TGCTGGTTAA ACCAAGGAGC TTCTGCTCTT TTCCTTAGTC ACCTGGGGGA GGCAGAAACA 152760
 AAGGAGAATA TTGATAAACC TGGAAATAGG GCCGGAGAGT ATCAGAGAAG GAAGCCTTCG 152820
 GGAAAGTAAA GATGTGGCAG CCAGTATTCC CGTTATAAAA GGATACAACT CCGGCCTCAT 152880
 AGTCCAGAAA AATTCCCACA AGCAGGGGCT GCTCATGCAG ATGAAGGGAA GTTGGGGGAG 152940
 AAGTAAGTGC TACATAGCCT TTCTTTTTGC ACAGCCTGAG GGTCCAGAAT CCAGACTGAG 153000
 GCTCTTGCTT CATGCCAGTG CCCCTCTGCA CATTTTCCAT ACAAACTCCT AAATCCCATC 153060
 CGGTTCTTTC GCCAACATCC ACTTCAAAGT AACGTCTTCC TGAGGTGAAG CCTTCACAAC 153120
 CCAAGACACA GGGGAAGGCA GTAAATCTCC TGGAAGATGT GTCCTGATTC TCCTGGGTGT 153180
 ATCCACGAGT CACTTGTCTC CGATCCTCAG AGAGAATTAG TTCGTGATGA GCTGTATCTG 153240
 GATCCAGAGT CACACTAACT GCAAAACAAA ACAAACAAA CAAAAATAAT TTTGTTGCTG 153300
 TGAAGAACAC AGGTTATTTT ATTTTATTTT ATTTTGAGAT GGAGTGTTGC TGTCACCCAG 153360
 GCTGGAGTGC ACTGGCACTA TCTCAACTCA CTGCAACCTC CACCTCCTGG ATTCAGGCAA 153420
 TTCTCCTGCC TCAGCCTCCG GAGTAACTGC GACTACAGGT GCGCACCACC ACAAGTGGCT 153480
 AATTTTTTTA AATTTTCTGT AGAGATGGGG TTTCGCCATG TTGGCCAGGC TGGTCTCAA 153540
 CTCCTGACCT GAAGTGTTCC ACCCACCTCG GCCTCCCAA GTGCTGGATT ACACAGGTGT 153600
 GAGCCACCAT GCCCAGCCAC AAGTTATTTT CAATAAAACC AGCCTGTGTT CAAACCCAAC 153660
 TATTGTTTCT TATAAACTGG GTGAGCTTAG GCAAATCATT TAACTTTCTG AGCCTCAGTT 153720
 TGTTAACTAT AAAGTGGAAG TTACCGTATT TGTTGCAGAG AATGGTGGGT AGGATTGAAT 153780
 AAGCTTATGT TTGCTTAATG CTTGGTAAAA TTCCTGGTAC ATGGTAACCA CCTAATAAGT 153840
 GGTAGTTGTT GGGGTGATCA GGCCCAACAC CAGGCCGTGG GGGCTACAAA GTCCGGCGGG 153900
 GTCAAAGGAA TGAGAAAAGA CAAGTTAAGA GTGCATAAAG TGGGTCCAGG GTGCCAGCAC 153960
 TAGATTGGAG GCTGCAAAGG CCCTAAGCTC TGGGAGCCCA CACTATTTAT TGGTGATCAA 154020
 ACAAGAAGC AGGTGGTGAG GACGTGAGGG TAAACAGGTG AGGGCATGAG GACATGGGGG 154080
 TAGAAAGGTA GTGGTGCAAT AAGCGTAGCT GTGACAGTTT AGCATTTTCT TTGACACATG 154140
 TAGAATATAC TCTGCTGCTT GAGATAGTAG AGGACACGTT TATGAGTGAA AAGCAAGGAA 154200
 CCAACAAGTC TGTGCACTTT CCAGAGGCTA TGAGGGGTTT TATGCCCTGA GCCCTGGGTT 154260

CCATCCAAGC CACAAGGGGT TTTATGCCCT AGGCTTAGAT TTGTGGTGCG GCAGGGCAGC 154320
 CTTCCACCAT TTGGCACAGA GCTTGGTGTT CCAAAGGCCA CGAGGGGTTT TGGACCCTGG 154380
 ACCCCGGACA TCTTCCAAGA CTCTTTTACA TTATGACAGA CAAGCCAGTC CTGCTTCAGC 154440
 TCTTCTAACA ACATGTAGTA ATAATGATAT CATCAACATC ATCTTCGTCT TAATTATTCA 154500
 AGGATGCCAA GGTACAGAAC TAACCTGTTA ATATGGTTAC CATCCTGTCC AAAGTTCTTC 154560
 TCCCATGCAG GACTTCCAGG AATCATGAGA CAGTTGAGCA GAAAGATACC TTTTCCCTTC 154620
 TCTACTGAAT AACCACCAAC ATTGAGAATC AGAGAGGGAA AATGACTCAG CTAATGTCTT 154680
 AGCTTGTTAT TGGGAAGACCC AGGTCTCATG ACACATGCCT AGTCCCATGA CTTTTAATTG 154740
 TAAGCTCTTC TCTTTCCCCT CAGATAATGT TCCATAAGCA TTAGTATGAG ATAATAATAC 154800
 ACTGAGGACC AATATACATG AAAAATATCA GACTAGAATC AAACAAGACA GAAAAAAGAT 154860
 CTGATAACCT AAAGTGAGAT ACTGAACAGT ATGCAGTTTT AAAAATAAAA AATGGTAATA 154920
 GGATGTTCTA ACAAGAGAGT TAAGAAACCA CTGTGCTACT GAGTTAAATG TTGATCAGTT 154980
 GGTCTGTGAC AATTAAGGAA TTCAAGTATT CAGAAACACT TCCTGTGCTG GATGCTCTCT 155040
 GTTTGTTCTT CCAAATAATC CCTCACTTTT CCCTGTCTTG CTCTGTGCCC AGGAAGGCTG 155100
 ACATGGACAG ATTAACCAGG CTTTCCGCCC TCTGGCTTGG TTCAGCCAAT GGAAGCACC 155160
 AGAGGAGACC ATAGGGCACA AAGAAGCAGC CTTGGGAGTA TTCAGTACCC CAGTCCCACG 155220
 CTATGATTTG GAGGGTCTGC ATTCCTCTGC CTCTGGGCAC ACTCTAGTAT AGTTACAGCT 155280
 CCCTACACCT GCCACTTGAG GCCCAGAGGA GGTGATGGCT CTCTAACTGT TCCTAGTTCT 155340
 GGGTGCTTCC TGTTCCTTGT GGATTTCCCA ACTCCTCACC TTTGTAAATA CCCTCCTTTT 155400
 TCAAACCTCTA TTCAGTTAGC TTTTATCAGC CTGACTCACA GAAGTTTGGG GTTTCAATTC 155460
 ATATTACCTG AATGACCCAG GAAAACCCAT GTTGAGAAAT TAAAATGTTT ACGGGGTGGT 155520
 AATACCACTT AAGAGAAAAA ATATCAATTG GATTTTTTAAA ATTCCACCTA TCTATTGGTG 155580
 TGACACATCA AAAAAACAT ATAGAAAAGAT TGGAAGCTAA AAGATAGATA ATATAGTCAT 155640
 ATACTGTTAT AGTATTATAT CAAAAGATAT TAAGTCAGAG CATTATTAAG AATGGAAGAA 155700
 GGGCCAGGTG TGGTGGCTCA TGCCTGTAAT CCCAGCACTT TGGGAGGCCA AGGCAGGCGG 155760
 ATCACTTGAA GCCAGGAGTT CAAGACCAGC CTGCCCAACA TGGCAAAACC CTGGCTCTAC 155820
 CAAAAATACA ACAATTAGCT GGGCATTGTG GCACATGCCT GTAATCCCAG CTACTTGGGA 155880
 GGCTGAAGCA CAAGAATCAC TTGAACCGGG GAGGCAGAGG TTGCAGTGAG CTGAGATTTT 155940
 GCCACTACAC TACAGCCTGG GTGACAGAGA GAGATTCTGT CTCAAAAAAA AAAAAAAGA 156000
 AAGAATGAAA GGAGTCACCT AAAAAAGATA ACACAATTTT AAACATAAAT GTACTACATT 156060
 ATTAGTGAAT TCATGTTTAG AATTGTGTTA ATATACAAAG CAAAAATTGT AGAATTATAG 156120
 GAGAAATGGA CAAATCTACA ATCATCATGG GATGTTTTAA CATTCTTCTT TCCATAATTG 156180

ATAGATCAGG CAGACCAAAA GAAAGAAATA AGGGAAGATA CGGAAGGTCT GAACAATCTA 156240
 AGAAGCGCAA TCTCATAGTC AATACATAAA GCTCAGCAAT TGTTTAATAA TAGTAAGCAG 156300
 AGAATATGCA GTTTTCTCAG GTATAGATGG AACATGCACT AACTGAGTAA ATACTAGGCA 156360
 GAAAACAGTC TGAACAAGTT TCAATAAATC TGTATTACAC AGATCATTTT CTCTAGCCTC 156420
 AATATAAGAT TATAAACCAA TAATAAAAAG ATGACTAAAA AGATTCTAAA TATTAGGAAA 156480
 TGTAAACTAC TAATAAGTCA TTAGAAGATG TATAGAATGG AACAATAATA AAATGTTATT 156540
 TATAAAAATA TACAATGAAG CTAAAGCAGA ATTTTAAGGA AAATTTGTAG GCTTTAAATG 156600
 CTTATCTTAG AAAAATTAAA AAGCTGAACA TTAATGAGCC AAGCATCTAA TTTAAATTTT 156660
 AAAAAGAACA TAGAAAGCCA AATATAATTT TTTAAAAAGA AAAAATAGAT ATTAAACAAT 156720
 ATAACAGTGA AGTTAAAGAA AACAAGAATG CAATAAGAG GAAAAACAAA CAAAAAAAAA 156780
 AGTAGCTTCT TTTAAAAGAA ATTTAATAAA ATAGACATAC CTCCAATGAG ATTTATCAAA 156840
 GTAAGACAGA AGGCACAAAT GGAATGAATA CAGAACTTT TTAAATATTA CAGAACTTTA 156900
 TAATAAATCT TATGCTACTA ATAAAATTGA AAGTACTGAT AAAATTATTA CTTCTAGAA 156960
 AAAATATTTT TGAGTAAAC TCACTCAAAA AACAAATAAA GCATGGGCAG ACCTAACATT 157020
 AAAGAAATGA AATCACTACT TTAAATTTTA CCGACAGATA ATAAAACGTG CATCTTTATC 157080
 AAGCAAAAAT GGAACCTGTC AGTTTTATAG GAAATTTAGA AGTCAAGGCA TGAGTAATGC 157140
 CAATCTCATA CCAAATCCTA CAAAGAATAG AAAATTATGG CTCCCGCTTA TAGACATAGA 157200
 TATAGAACTC CTGCACAAAA TAATATAAAT AACAAACCAA ATTTTATATT TGCAACTATA 157260
 CATATTATAT GTGTATGTAT TATATATGTT AACATATACA TATATAATAT GTATAGCATA 157320
 TGTTCTACAT ATTATATATG TATAGTGTAT GTATTTTACA ATATATAAAT GAAAACCCAA 157380
 TCTTTAATAT ATTCATCTAG ATTGTCATAT ATGACATATA TAATACATTA CATCAAAAAT 157440
 GTGTACAATA ATCAGGCCAG GCACAGTGAC TCATGCCTGT AATCCCAGCA CGTTGGGAGG 157500
 CTGAGGCGGG TCAATCACTT GAGTCCAAGA GTTTGAGACC AGCCTGGTCA ATATGGCCAA 157560
 ATTCCATCTC TACAAAAAAT ATGAAAAATT ATCCAGGCAT TGTGGTGCAC ACCAATAGTC 157620
 CCAGCTACTC GGGAAGCTGA GGTGAGAGGA TCACTTAAGC CTGGGAGGTG GAGATTGCAG 157680
 TGAGTCGAGA TTGCGCCAGT GCACTCCAGC CTGGGTGGCA AAGGGAGACC CTGTCTCAA 157740
 AAAAAATTAA AAAATTAGCC AGGTATGGTG GCCTGTTTCCT GTAGTCCCAG CAACTGGGGA 157800
 GGCTGAGGTG AGAAGATCAC TTTAGCTCAG GTGGTGGAGC CATGATCGCA CCACTGTACC 157860
 ACTCGGCTTG GGCAACAGAG TGAGAGCCTG TCTCGAAAAA ACAAATATAT ACACACAGTA 157920
 ATCAATATAT ATATTATATG TACCAATCAA TGCTTCACTT TTATATATAA TATAGATTAC 157980
 ATCTTATTAG ATATATAGTA TTCCTTCTCC ATAGATAGAT AGATACAGAT ATAGACATAG 158040
 TATCCTCTAT CCATATTAGA GAGAGGATAC TATATATATC TATAGCATAT AGAGATGCTG 158100

TCTCAAAAAA ATTTAAACAT CAGCCAGATG TGGTGGCCCA TGCCTGTAGT CCCAGCTACT 158160
GGGGAGGCTG AAATGAGAGG ATTGCCATTG ATCCTCTCAT TGGTTGAGCC ATAATCGCAC 158220
TACTGCACCA CTCAGCCTGG GAGACAGAGG GAGACCTGAG GTGGAAGGAT ATAGATATAG 158280
ATATATAAAT AAATATGTAT AGAGAGAATA TAATATATGT GTGTATGTGT ATATATATAT 158340
ATTATGAAGA CACTGGGAGA GAATACTATA TATATATGTG TGTGTGTATA TATATATTAT 158400
GAAGACACTG GTGGGATGGT TTCATTACCA ATTGGACCAA GAGTCCAGGT ATGGAGCCAA 158460
CATGCAATGT TGTGTGTGAC TGAGCTGGCA GAGCACTGGT CATAGTTACG GGAAAAGAAG 158520
GTCTCCAATG AGACATACTT AACAAAATAT ATGAACCTGC CATATACGTG GAGAGTTCTG 158580
GTGTGTATAT AGCCTTCTCT CACCAACCTA GCAATTGTCT TCATCATCAT TATAATGCTA 158640
TCAGAGCAAA GATGACAGCT AAATTTTTTT GTCCCTTTCT TCTTCTTTCT CTTCCCTCCC 158700
CTCCCCACC TCTTTCTCTT CCTCCTCCTC CTTCATCTCT CTTCTTTTTT TTTTGTAGAT 158760
GGAGTCTTAC TCTGTCGCTC AAGCTGGAGT GCAGTGGCAC AATCTCAGCT CACTGCAACC 158820
TCTGCCTTCT GGGTTCAAGC AATTCTGCCT AAGCCTCCAG AGTAGCTAGG ACTGCAAGTG 158880
CACACCACCA CACCTGGCTA ATTTTGTAT TTTTAGTAGA GATAGGGTTT CACAATGCTG 158940
GCCAGGCTGG TCTCAAACCT CTGCCCTCAA GTGATCCTCC TGCCTCGGCC TCCAATGTG 159000
CTGGGATTAC AGGCGTAAGC CACTGTACCC GGCCTCCTCC TTTAATAGAC AGGGTCTAGC 159060
TCTGTTGCCC AGGCTGGGTA CAGTGGCGTG ATCATAGCTT ACTGCAGCCT CGAACTCCTG 159120
GGCTCAGGAG ATCCTCCTGC CCTAGTCTCC CCAGTAGCTG GAACTACAGG CATAGCACAC 159180
GGGGCTAATA AAATTAATTA GGTGATAAAA TTCACTGCCC ACTGATGACT AAGCTCTTTG 159240
GACATAAAAG ACACAGACCT TGAAGGAAAA TGTGTCTACT TAATTTTGAA ACCCTATTTA 159300
TCAAAAAACA GGATGAAAAT GCAAAATGCC ATCCACATGC CAGAAGATAT CAGCTATAAT 159360
AAGTTCCCAT AAATCAATAA GGAAAAGAAC CCAATAAAAA TTATTAAACC ACAGTAAATC 159420
ATGGGTAAAT CACAGAGGCC TGAAGGGCTA ATGGACATAC AAAAAGAATC TCAATCTCAC 159480
TAGTGAAATC AGAAAAGCAC AAATTAAGTA CACAATTAGG TACCATTTTA AATCTGTAAG 159540
ACTGTCAAAA TCATAAATTA TATAAGTAAA GACTCAGGGA GTTTTGAGG AGTGAGAGCT 159600
CTTATATTGC TTGTGGGGTA GAATTGGAAC AATTTCAAGA TCTGTAGTAT CTGGTAAAAT 159660
TATGATATGC ATCCCTCACA CCAGCATGTC ACTCCAAGGT ATCTCCCTGG AGGGAACATT 159720
TACGGGACAC AAGGAAGCAT GGATAAGAAT GTTCACAGTA GTATTGTCTG CAACAGCAAC 159780
AACAAACAAA AAACCCAAC ACACACAAC TCAATGCCCA GTCCACAAGG CAATGGATTA 159840
AATAAACTTC AGGCCGGAGA TGGTGGTTCA TGCCTGTAAT CCCAACACTT TAGAAGGCCG 159900
AGGCGAGAGG ACTGCTTGAG CCCAGGAGTT CAAGACCAGC CTGAACAAAA TAAAGAGATA 159960
GTGTTTCTAC AAAAAATTTT TAAAAATTA GCCAGACGTG GCAGTGCTTG CCTGTGGTCC 160020

CAGCTACTGG GGAAGCTGAC GTGGGAGGAT TGCTTAAGCC CAGGAATTTA AGGCTGCAGG 160080
GAGCCATGAT GGGGCCATTG CACTCCAGCC TGGGTGACAG AGTGAGACCC TGTCTAAAAG 160140
AGATAAGTAA ATAACAACCTT TGCATTTTCT GCCACATTGC AAAATGGTGA GAGAGTGGTT 160200
TCTAGACTCT AGACTCTTTC TATGACTACC TTCTAGTTAT GAGATCCTAC AACACTCACC 160260
TAACCTCTCT GTGTCATATT TCCTCCTCTA TAAAGCAAAA ATGCCCCATA TAGAGAGGAC 160320
TGTGATATAA AACAAGAACC AAGAAAAGTA AAGCTTTTCT AATCTGTCAC AGACTAAAGA 160380
GTGCTCAGTA TATGTGAGTC ATTATTCCTG GTGCTGGTAG GAGTGTATGT TACAACTTTG 160440
AGTCAAGTAA TATGGTACCA TATATTAAGA TTAACAACAA CCTCGGCAAT CCCAGTTTGG 160500
GGTATGTTCC CAAAAGAAAT GAAAGCACCA GGATATAAGG ATGCATGGAC TAGAAAGTTA 160560
TTGTAGCAAC ATTGTAATAA CTAAGTTCTA AAAACAGCCT GAAGCTCCAT CAGTAGGGAT 160620
ATGGTTACAT ATATTTATTA TATTCCTATG GAATATTAGA CATAAAAAGT AACGAGTAAC 160680
ATAGAAGAGA CAGTGTATAT ATGTTACGTT TGTACAAACT TAGGGAAAGA TATAGATCAC 160740
CCTACCTAGA GAAGTCAGAT TGGAGAGGGG TGGGAAAAAC CTTGAACTTT CTCCTTATAT 160800
CCTTTATATT GTTTGACTGA TTAAAATGTA TTTGTTGCAT CTGCTTGAAG GCAATGTAAA 160860
ATAAAATAAA CATACATTTA AAAATAAAAA TAAAATTTAT TCCTATCACT TTTGTAATAA 160920
AGCTGGGCAC AGTGACTAAC ACTTGTAATC CTAGCACTTT GGGAGGCAGA GACAGGCAGA 160980
TCACCTGAGG TCAGGGGTTT GAGACCAGCC TGGCCAACAT TGTGAAACCC CATCTCTACT 161040
AAAAATACAA AAATCAGCCA GGCATAGTGG TGCCTACCTG TAATCCCACG CTACCCGGGA 161100
GGCTGAGGCG CTGGAACCCA GGAGGCAGAG GCTGCAGTGA GCTGAGATTG CGGCACTGCA 161160
AGCCAGCCTG GGTAACAGCG AGACTCCATC TCAAAAAAAA ATTTGAAAAA AGAAAAATTT 161220
TAATAAACAG TGTTTAAGAG GGGAGAAATA TTTAGTTAAA AGATAAGCCC ATTTAAGAAA 161280
TAGTTTCACT TGACCCGGAA GGCGGAGCTT GCAGTGAGCC GAGATCGCAC CACTGCACTC 161340
CAGCCTGGGC GACAGAGCGA GACTCTGTCT CAAAAAAA AAAAAGAAA GAAAGAAAGA 161400
AAGAAATAGT TTCACTTGAA CCATATTATG ATTCCTTCTG TAAAAGATGA GAGTAGGCAA 161460
ATTGACTCAG TGAAATCCCA GCAAACTTA CACAAAGTCT TGTTCTTCCT TCCTGTCATC 161520
TGTATAGGAT GAAATACAGA GTGCTTTTGG GTTTTGTGTG TGTGTATTGT TGTGTATTTG 161580
AGGGGAACAC AGGTCTATAA TTCCTTTTCT GAAATCCCTG GAACAAAATG GGCTTTGCCA 161640
TTCAAATTAG TTTAGAAGTT ATAAAGGCAA AAAAATGCAT ATACTCTAAA GTTCAACCCC 161700
ATCATGGCCT AAGGCAGAGC CCTGTAATCA AATTCATCAA TATATCTGCA GCAAAACATT 161760
TATTCAAATT AAGTGGGATA AATAAAGACT TTAAATAGT CTCATCTCAG TGCCGTTTCA 161820
GGTTGGCCAC TGTGGAAGAC AGACTCAAGG GTGGCCTTCT ATGATTCCTG CCTCTTGGTG 161880
TTCACACCCT CGTAAAATTC CTTGTCTTTG AGTGTGAGCA GGGCTTATGA ATTGCTTCTG 161940

ACCAATAGGA TATGGCAAAG ATGATGGGAT ATAATTTCTA TGATTACGTT TCATTATGTA 162000
AGACTCCATC TTGCTGGCAG ATTTTCTCTA AAGAGTCTGT CTCCTGAGCT CTCTCTGAAG 162060
AAATAACTGG CCATGTTAGA AGCCCATGTG CAAAGAGCTG AGGGGTGGCC TGTAGAAGCT 162120
GTGGGCAACC TCCAGCCAAC AGCCAGAAAT AACCAGGGCC AAAGTCCTGC AACCATCAGG 162180
AAAGAAATTC TGCCTGCTAT CTCAGTGAGC TTGGAAGTGG ATTCTTCCTT AGCCTAGCCT 162240
CCAGATAAGA ACACAGCCTG ACCAACACCT TAACTGCAGC CTTATCAGAC CCTAAGCAGC 162300
AGGCCCAACT AAGCTGTGCC CAGATTCCTG AACCACAAAA ATTGAGATAA CATATCAGTG 162360
TTGTATTAAG GTTCTAAATT ATGGTAATTT GTTTGTACTA ATAGATAACT AATATAACCA 162420
CCAAATCATT TCAGGTTAGG CCAGATTTTT GTAGCCAAAT GAATCATGAT AAAACTTTCC 162480
ATTTTCAGGG GTTTTTTTGA TTTTGTACTT ACGGATACAA ATTTGTGAAA GTATAGTCAG 162540
CACTGATTTA AAAAATCAAG GGAGCAGGAA ACTCAGTAAA TGGTTCTAAC ATTTTGGAAAT 162600
CTGTAAATTG GTTGTAACAT TTGTCATCTG TGTTATCTAA GTCAAGTTCC TAAAATATGT 162660
GAATGATAGG TTATCATACT CACCTACTTT TCTTGCAATG CTCTAAGAGT TGGCTGAGCT 162720
ATTGATAATA AACACTATGA TCAGATCTAA TACCATGATG TGCTATTATG ATCATGTGTC 162780
AGTCACAGGG CTAAGCACTT TGTACATGTT GATGCATTTA ATTTTGATGA TAACTCAATG 162840
AAGTAGGAGC TGTTAATATT TTCATTTTTC AGAGGGGGAA ACCAAGTCAC TTGGAGTAAC 162900
ATGGCTAATA AGTGAAAGAA TAAGAATTTG AAAGGTTTGC ACAGATAACC AGAATGCAAT 162960
GCTCATCACA TTTACTGAGC AGTGAATCAT ACTAACTAGA GAAAGTATGA AAGCTCTACT 163020
GAAATTAAC TACAACCTC TCTGGCTGTG AGCCTGCCAA GGGACAGGTG GTAAACTTGG 163080
TTACTGCATA AGGCCCCTTC TATCCACAGT ATTCAGGAAT TCTTTAGTGA ACATACCTTG 163140
ATGACTCCTT AACATTTTCT TCACATCGAA GTAAAGCTTG GAAACATTGC ACATAGTATG 163200
AAGTTCCAAG GAGACAGCCT CTGATGTTTC CAGCTTCACA GCCCAACTCC TAGAATAAGC 163260
AGAGGCGAGA GATTTCTTCA GAGGTGCATT CCATTCATTT CTATATACGC ACACCCCTCC 163320
CCTCCTGCAT TCAAACAGGA CTTACCTGCT CAAAGTGTC TACACATTCT ATAAAGAAAC 163380
AAAAAGAAAA GGTGAGCATG GGAACATCGG TATTTTCATGG GGCTTGTCAT GCAGGGCTAT 163440
TCTTCTTTGC TTTACCCGAA GAAGTAAAGA GAGTTACCTT AGTCTTAGTC TTAGATATTG 163500
ATGGATACTC AAACAAAGTA ATTCCCACCA GTCTTAGGTA TTGATGGATA CCCAGATGGA 163560
ATAATTCCTA CCAGCTTCTG GGAGATTCAG CATGGCAGGA TGTTTATCAA CATTTGCATC 163620
TATTCTCATC CTTGCTGAAG TCTGAGGGCC AGGAGCTTTG TCCATGCTCC CTCTGTAAGG 163680
ACTAGCTTTT GGTGATCGGA TTTCTTCAC AGTGAGCCCA GATTAGAGAA CACTTATCAT 163740
AAAGGTCCTT AGTGGTGAAT CTGTGCACAG CCCTGAGACT GGGCCACTGC CACTAAGATG 163800
GTGGTAGCAG GTATCACACA GTGGTAAAGC AATCATGCTA TACACTCAGC CTTACAGTAT 163860

AGTCACCAAT CCTGTTAGTT AGAACCAGAA TTAATGGCTC CAGATGTTTA TCTTCCTACA 163920
 GATAAAGCTG TAGATTGTAC CATAACAGCT CTGGAGCAAG GGTTCCTACAA GCAAATCAGG 163980
 GAAAAGGTTA TCACTCATTT TGGCTGCCCC ACTTCATCAC CCATCAGTCA CCTAGTGGAG 164040
 TATTTTCAGGA GAGAGTCAAC AACCAGGGTT CTCTGCACAT GGGCCAAGGA GGCAAACAGT 164100
 GGTAATGTT ATCCCGTGGT TTCATTTGGC CAAGCTGTGT TCCCTCAGAA GTTTATTTTT 164160
 CTAATTGACA TAAAGGTACC CTATAAATTA GTGAAGGCCA GCCTGATGGC ACTGATGTAC 164220
 ATCTAAAAGA AACATTACTT TATCTTCCCA TGCTTCCTTA CCATTCTCCT TTAATAGCAC 164280
 TATAACATAC CTTTTTTCCC TACTCCAAGT ACACAGCCTC ACCTGCAGCA ATTTCTGGGC 164340
 TGAGCCCTGA CATTTTTCTT CCAGTTCCAG GATGTGGCTC TTGAGTTCAT TGCTCTTCAG 164400
 CCCCAGACCA GCCTCATAGT CCCTCAGTCT ACTCAGAGTC TGTGTTCTT CTTTCTCCAG 164460
 CCTCCAGAGA TAAGACTTCT CTTCTCATG TAGGAAACAC TGGAGATTCT TAAAGTCAGA 164520
 CCGGATTTTT TGTCTCTGAA TCTGTACCTT CTCCTGGAGT CAAGAAAGTA TGGTCAAAAG 164580
 GTGGAAGTAA ACCAAATGTC CATCTATGGA TGAATGGATA AACAAGAATG AAAGTCTGAC 164640
 ACACGCTACT ACATGACAAG CCTTGAAGAC ATTCAAGCAA AATAAGCCAG AAACAAAAGG 164700
 GCAAATATTG TAAGACTTTG CTTATACAAG GCATCTGGAG TAGTTAAGTT CATAGAGACA 164760
 GAAAGTAAAA TAGTGGTTAC AAGGTGTTGG CAAGACCAGA AAATGGACAG TTATTGTTTA 164820
 ATGGGTAGTG AGTTTCAGTT TAGAAGATGA AAGATGAAAC TGAGTTGCAG TTTGGAGATG 164880
 GGAATGGTGA TGGTTGCACA ACAATGTAAC AATGTAAAAG CACTTAATTC TACTGAACTA 164940
 TATACTTAAA AGTGGTTAAA TGCTTAAGTG TTATATATAT TTTCACACAA ACACACACAC 165000
 ACACACAATC AGCCACTGGG ACATTATTTT CTCATGAGTC ACTGAAGCTG GAAGAATGTC 165060
 CCCAGTTTCC TGCTGCAGAG TCATGTGTGG GAGGCAGGCA CTCAGATGTG GAAGAGGTTG 165120
 CCTCAGATTC CTTATAGTCA CCCAATTAAT TTTCTTGTTT TTCAGCCAAG ACACAGGAGA 165180
 AAGCTGGGTT AGGAGTGCTA GATAATTTAA TTGTGAAACT AGGGCCAAGT TCAAACACTT 165240
 TATCAGTTAC AAGGATAAAA AGAGGTTTTT ACTTATGATT TAAGAAGTTA GATTTCTGAG 165300
 TTGGAGCGAT TTTCTTGAAG TAAAAGCTTA TAATGAACAT CACCCAGACT GGATTTTAAG 165360
 ACAACCAGGC TGGTAAGAGG GTCCATAATT CTTGGCAGGG GGAGCTTTGA GTGTGACAGG 165420
 CATTTATTAT GGTAACTGA GAAATACTGT TCTACTACCC TAGGGTCATC TTAAGCATTC 165480
 CTATGTGTAA GACTGACAGA AATCAAGTGA AACTCTCATC TGAGGAGATG TAAAGTTGCA 165540
 ATTTCCATTA GTGCTGTCTA AATTAATGCA GTGGGAGTGT GTATTCAGGG CAATTTGAAT 165600
 CTATGTTCTT GGATTGCAGT CTTCAAACCT GGCCCAAATA AACTCTCTAC TTATCTTAAA 165660
 AAAATAAAAA TTAAAAATA AAAATAAATT CATACAGTGT TTTGATGACT ATGATATAGA 165720
 AGAAGGGTCT TTGACTTAGG ATGAGGTGGA ATTTTTGTGT AGGAGACAGG TGCAGCTTTA 165780

ACTCTTGTAT AGACGGGTTT TCATATATGT TAGTTACAAT CAAGGTCTTC CCCATTGCCC 165840
 AAGATCCTAG AAATGGGGGA AGTAAGAGTG TACTCAGGAG CTCAAGAGCA ACATCCACAA 165900
 ACAAAGATCA GGGTAGAGGT TAGAGAGGAC TCCTGAAAGA GAGAAAATTG GTAATCAGCT 165960
 TGTGGGATTT TACTGCAAGC TAGTGAATTA TATAAATATA AAGATTGGTG CAAAAGTAAT 166020
 TGTGGTTTTT GCCTTTACTT TAATGGCAAA GACCGCAATT ACTTTTGCAC AAACCTAAAT 166080
 ATTTCCATAA AAGAATGTGG CTCTGATAAT GTGGAGGTTA GTCAGCCACG GAAATAATCT 166140
 GAAAGTTTGT AGTTGCAAGT GTGTAGGTTG TTGCATTACT TGTGATGTAC TTATAAATCA 166200
 AGTATAGGCC GGGTGCAGTG GCTCACGCCT GTAATCCCAG CACTTTGGGA GGCTGAGGTG 166260
 GGTGAATCAC GAGGTCAGGA GATCAAGACC ATCCTGGCCA ACATGGTGAA ACCCCGTCTC 166320
 TACTAAAATA CAAAAAATTA GCCAGGCATG GTAGCACATG CCTGTAATCC CAGCTACTCA 166380
 AGAGGCTGAG GCAGGGGAAT TGCTTGAACC CGGGAGGTGG ACATTGCAGT GAGCTGAGAT 166440
 CGCACCATA CACTCCAGCA AGACTCCATC TCAAAAAATA GTAATAATTT AAAAATAAAT 166500
 AAATAAATA AGTATATTTT TTTTCATCAGC TTCATGAGCT TGAGTAGTAT GAATTTCAAT 166560
 CTGGAGTGAT CCTGTTTTCT AAGTGTTTAC AAAGCTTGGT TTCTGTACCT GTAAAGTTGA 166620
 GAGCCAGATG CTCCACTGTG GTAAAAGTGC CAGGGTAATG AGTTGAGGCC TGCAAACCAG 166680
 GTTTATTTTG AGGTATTTAA AGTTTGAGAC CCACTCGATG CTTTTTCTAG GTAAATAGTC 166740
 ATACTAATTC TGCTTCTTCT GACTGAAGTA TCAGGAATCC CAGCCAACTA CAGTTTAAAG 166800
 ATGGAAAGAT TGGTGCTAAA TACTCATGGA TGTAACCTG GAACCAGGGG CATAAGTACA 166860
 AATAATGGTT TCTTCCTTGG GTTTCATTTT TTCAATCTGG TTTAGTGAGA ATAAATCCTC 166920
 ATTGTGCTTT TCCTCAATCA TCCCCTATGC CTAAGCTCTA GAATGGAAAA TAGCTTGAGA 166980
 TCAATGAAGT CAGATTCTTA CTTTCCATTT AGTTATTCGC ATTGCTGTGG ACAGCTTCTG 167040
 CTCCGTACAT CTGTCTTCAA GTTGCTTCAG TTTTGTGACA GCTTTCTGGA GCTTTTCTCTG 167100
 AAGGAAAAAT TTGATAAGTG AAGCCTATTC AATTTGACTC TTCATTAGGG ACCTAGGGGG 167160
 AATCCCAATC TTCTAAGATA TATTTGAATA ATAGTGAATA TTTATAGAGT CCTCATTGTT 167220
 TTTTGCTAGA GAGCATGCTA AAGGCTATAT GTGCAGGAAC ATACTGATCC CTTGCGCAAC 167280
 CCTGAATAGT TGGTAGGATT TTAAACTTCA TTTCTGTGCT GTAGAAAATG AGACTAAGAA 167340
 AGGGGTAAAA TAACTTGCCC AAAGGGCTAT GACTGCCAGG TGGTGGAGCA ACAATTGCAA 167400
 TCTCATCTGC TGACCCAGAG CCTGAGCTAT GTCCACCACT AGAGTCCTGC CAGGAAAAAG 167460
 TTGGATATAG AACAAGGTAA TCATCATCTA AAAGATTTTG TAAAACAACA TGCTGAACCA 167520
 AGCAAAACCA ATACCAGTGT TTGGCACACA TGAAATTTTG TGTCTTATGA GTCAGGAAAA 167580
 ATCAGGATGC CAGCTGGTTA TTAGAAACAG TTCATGGAAG AGGGGAATTC TGGTATCTTT 167640
 TGAACAATGG TATCATGAAT CCAATTTAAA ATGATTTAGT ATTCATGTCA AGCTTTTAGC 167700

TTATTCTTCA AACAGTTTC TCATATTTCT ATTGAAAGTG ATTTGAAGCT GACCCAAATT 167760
 GCTAATTGTA GTCAATGCTG AAAGAATTGT CTCCTGTCCT CTGTAAACCC AACAAGTATA 167820
 CTCATTCACT CTCGAGTGTT CTCAGGAAAA GGTTCATGT AACTGTTTTA GCAAAAGATG 167880
 ACATTGTCCT TACTATATGC CAAGTGCTAT TCTATGCATT CTATATTTTA ATGTCCTCAA 167940
 AGCTTATAAC CACCTCCTGT GTATGTGTTT TAGGGAGGGA GGACACTGCT ATTATCCCCA 168000
 TTTACAGATG GAGAAACCAA GGTGTGAAGA CATTAAGTAA CGTGCCCAA ATTGCCCATC 168060
 TAGTAAGTGA CAAAACTCAA TTTCAACATA AGCTGGTTCC TTTTCTTACT ACTTGGTGGA 168120
 AAAGTAATTC AAATGGGAAT ATGATCATCG CAGTTATTAG CTGCTCCATG GAGTTTAAGG 168180
 AAGAGCTGCC ATGAGCTGAG TGGTGGTCAT GATTGACATG TCCTTAGAAG GACTTAGAGC 168240
 CTTCATACAA GACCACCTCT GCCTCATGGA GGACAGAATA AGGAGCCTGA CACTGGAGAC 168300
 AACATTTTCC TCAAATTTAG GCAGGACAGA GAAGGAAAAA GGACATCAGG ACTATGCCCA 168360
 TTCCTCCATG CTGCCAACAG CAAAGTCCCA CCTTCCTTAA TATGCTTTCT GGCAAGAAAT 168420
 CTGGATGGTA CACAAAACCT CTCCCTCTGC TTCACCTTCC ACAACCAAGC ATTTCCAAAT 168480
 CTTTGACTCT TCTTCCTGAA TCGTGCTTAA AATCTGCCCT CTCCTCCCTT TCTTATACGG 168540
 ATAGTTTGAA TTTTACTCCT TGATATTCCT TTTATCATAG ACATGCCACA GTAGCTGGGC 168600
 ACAGTGGTTC ATGCCTCTAA TCCCAGCATT TTGGGAGGCT GAGATGGGAG GGAGACCAGG 168660
 GGTTTGAGGC CAGTATAAGC AAGAAAGGCA GACCATGTCT CTACAAAAA TAAAAAATT 168720
 ATCCAGGTAT GGTGGGGCAT CCCTGTAGTC CTAGCTACTT GGGAGGCTGA GGTGGGAGGA 168780
 TTGCTTGAGC CCCAGAAGGT TGAGGCTGCA GTGAGCCGAG ATTGCACCAT TGTACTCCAA 168840
 CCTGGGATAC AGAGCAAGAC CCTACCTCAG AAAAAAAAAA AAAAAAAAAA AAAGTAGAGG 168900
 TACCAGAGTG ATATTTTCAA TGTCACTGAC CCTTCATTCC CCAAATGAAA ATCCCCCAAT 168960
 AGGTGTTCAA TTTTACGTG TCCTTCAGGA GTTACTTCTA AGATGAACCA CTCTCTACCC 169020
 TAAATGTCCC TCCCCACCAC CAAAACCAGG GACCTCCAGG CAGACATTTT TGATGGTTTG 169080
 TTTTCTTTAC TAGACTGTAG ATACCTAAAA GGTGATGGGT CTTTCTTCCC TGTTTTCAGG 169140
 CCCTACTGCA TGGCTTTACA TATTGTGGTT TTTCAAATGA TATTCATGGT GTGAAACAAG 169200
 AAAAAATGCG GGTGTTTGGT TTGAGAACAA CCTGTTCTAA AGCAAAAAGA AATTCATCAT 169260
 AACACAAATG GATAGAGATA AGAGTCCAAC CATCCCATTG AAGGTCAGGA TGGACAGTCT 169320
 AGATAATTGA GCAAGAAATC ATCATAAACT ATTTTTCAGA AGAATGACAT GATGAAAGCT 169380
 GTATTTCCAA GTCATAATGT TAGGTTTCAA GTTAAATCAT CTCAGCTCCT GGGGAGCAGG 169440
 ATAAGACTTG GTACTTACCA AAGCTCCCGG GCCCACACAC TCACCTTGTA GCCCTGGCAT 169500
 ACGTCTTCAA CAAGAGCTGT GGTGTGCCCT TTGTGCTGTG GTGCCCCTC ACAGCGCCAG 169560
 CAGATGAGCT GCCCCTCATC TTCGCAGAAC AGGTGGAAC TCTCTCCGTG TTCCTCACAT 169620

GACATTTCTT GATCCGTCTC TTTGAGGGCT TCAATGAGGC TTCCCAGCTG CTTGTTGGGT 169680
CGGAGGCTAT CCATATGAAA TGGAGCCCGA CACTGGGGAC AGCAGAATGT CTCCTGCCTC 169740
AGTTGCTTTT GGCTTGGGTT TTTAAGAAG TCTGTTATAC ACAAGTGGCA GTAGCTGTGT 169800
CCACAGTTGA TGCTTACTGG GTTCGTCATC AGGCTCAGGC AGATGGAGCA GGTGGCTTCC 169860
TCCATCATCT TCTTGGTGCT GGTGGTTGAG GCCATAGCTT TTATTGAAAA GCTCCAATAT 169920
TGGCTCTAGA GATGGAGATG AAGCAGCCAG AATTTTCCAC CGTGATGAAA ATACACCTCA 169980
CCTGCACCTC TATGTGATGA GCTGGCTGCA ACTGACTTCC ATAGGTCTTG AAGGTTTTCC 170040
TTCCAACCCC TATTATCTCA TTTTGTATTG AAGAAAAGAG GACCTAAAAAG GAAGAAGTTG 170100
AGGCTGAGGT TGTTTGGGCC ACGTTTGAGA ACTGCAACCC AAGTGCAGAG TTTCAAGTTG 170160
CCCTCATTAG CAAGCAGTTA CAAGTGGTTG TTTAGAGGAA AAAAAGCAGT TTTAAAGCAG 170220
TTTTAAAGTT GTTTGCCAAG AATTTACATT AAAATAGCAT AAGCTTTTGA CTGGCTATAC 170280
ATTGTTCTTT GTATTACAAA TCTCGGGAAT ATGTAGGTAA TAGATGAGGC AGCCAGTCAG 170340
GAACAAAATG CTTTTAAACA TGGGGTCTTA ACTGAAGACC TATACTCCTG CCTCACTTGT 170400
CCTGATAAAT TTTGCATACC TCACATAGCT CAGACTGCTC TAAATTATTT CATTATTTTT 170460
CTTTTCTCAG TCTTCTAACT TTTTTTTTTT TTTTAAATGA GACGGAGTCT CACTCTGTCA 170520
CCCAGGCTGG AGTGCAGTGA CGCTATCTCG GCTCACTGCA CCTCCGCCCTC CCGGGTTCAA 170580
GCGATTCTCC TGCCTCAGCC TCCCGAGTAG TAGCTGGGTC TACAGGTGTG CACCACTACG 170640
CCCAGCTAAT TTTTGTATTT TTAGTAGAGA TGGGGTTTCA CCATGTTGGT TGGCTAGGAT 170700
GGTCTCGATC TCTCGACCTT GTGATCCACC CGCCTCAGCC TCCCAAAGTG CCAGGATTAC 170760
AGGCATGAGC CACCGTGCCC AGCCTCTTTT TCTTTTCTTA TAAGACAAGT TCTCGCTCTC 170820
TTGCCCAGGC TGTAGTGGAG GGCAGTGGCA TGACCACAGC TCACTGCAGC CTCGACCTCC 170880
TGGGTTTAAG CAATCCTCCT GCCTCACCCT GGCAGAGTGG CTGGGACTAC AGGTATGTGC 170940
CACCATGTCC AGCTAAAGTC TTCTCTCCAG AAAGAAGAAA TGCATTGGAA TTTAGAGGAT 171000
ACACAAACAT CTAGCTGTAT AGCTAATACA GTAGCCACTA TCATGAGTAG GAATTTAAAT 171060
TTAACTTAAT AAAAATTAAT ATGAAAAAAT TCAGTTTTTC TGTTCCAGTT GCCACATTTT 171120
GATTGCTTAA TAGTTGCATG TGACTAGTGG CTACATAACA GCCTCAATAT ACAACATTCT 171180
GTTATCACAG AAAGTTACCT TGGACCAAGT GCTGGGAGAA GCAATGCAGG CTTCTCACA 171240
AAAGCTGTAA AAGAGAGAAC TCAGGGAGTG TGAAACTCTT TCCTATTCTA GTTAACTTCA 171300
AGAATAATTG TTACCAGGCC AGCACGGTGG CTCACGCCTG TAATCCTAGC ACTTTGGGAA 171360
GCCGAGGCGG GCAGATCACC TGAGGTCAGG AGTTTGAGAC CAGCCTGACC AACATGGCAA 171420
AACCTCATCT CTAATAAAAA TACAAAAAGT TAGCTAGATG TGGTGGTGCA CACCTGTAAT 171480
CCCAGCTGCT CAGGAGGCTG AGGAAGGAGA ATGACTTGAG CTCCGGAGGG GGAGGTTGCA 171540

GTGAGCCCAG ATTACACCAC TGCACTCCAG CCTGGGTGAA AGAGCGAGAA TCTGTCTTAA 171600
 AAAAAAAAAA AAAAGAATAA TTGGTACCAG AATTACTCTT TGTAATTAGT AGTAACACTT 171660
 ATGCAATTGG GTGATCTGTG ACAGATTCCA TTGAAGGAGT ATGGGGAGCT TCACCCCAAT 171720
 ATATGACTCC CTGGTATAAT GAGTATTTTG AATTAAAGGC CCTTAGAGAT CAGCAGATGC 171780
 TGGAAGAGAC TTTTCCCCTA TCTACATAAA GACCAGTCAC ACTAGACAAG AAGAACAATT 171840
 GTTTTTCCTT CCAACCCCTA TTATCTCATT TTGTACTGAA GAAAAGAGGA CTAAGAATGT 171900
 AACCAGACCT AATCAGACAC TTTCACAAAA TAATGTCTGT CTCTCAGGCT CATTCAATTTT 171960
 CCAAAGAGAA CCATTTACAA GTTAAACTCT GTTCCTCCAT TCATTCATCC TCCCAAATAT 172020
 TCATTTATTC TCCCTAGTAA TCATTTACTG CCCCTCAAAG AATTACCTAT ATTCTCCTGA 172080
 TATCACCTT CCCCTCTGAA ATAAATATGT ATACATGTAT AAACGTTATA CATACATATT 172140
 TATACAGTAT ACATACATAT TTATACATAC ATACATATGC ATACATATTT ATATTTATGT 172200
 ATTTATACAT AAGTATTTAT AAATAAGGCT ATATAAGTAT CTACCCCCAT TGGCAGAGGG 172260
 GGTAATCACT CTGTGATTCT AGCCCATGTA CTTGTTAATA AATTGTATG CCTTTTCTCC 172320
 AATTAGCCTG CCTTTTGTGA GTCGATTTTT CAGTGAACCT CAGAAGGCAA AGGGGAAGTG 172380
 TTCCCTTGGC TCCTACACCA TCATGACAAT AAAATTTGAC TCCACCTCGA CCCCCCAT 172440
 CCCCCACAAA GAACAACAAC CAACACTGGT TAATAAGGTC GGTTGTTTTT TGTTTGTGTT 172500
 TTTGTTGTTG TTGTTGTTGT TGTTGTTTTT GCTTTCAGGA GCAGAGGTAT AATAGGCAAA 172560
 AGAAAGAGAA AGGAGAATAG TGAATACCTC TTCTGCAGAG AGGGGTGCCT AAGTGGGACT 172620
 TCCCTGGCTA ATAACGTCTT GCTAGAGACC CAACCAGGAG GATAATGGAA GCAATCAAGG 172680
 CAACCAGAAC AACCAGAAGA ACCAGTTTAT CCTTTTGTG CCCTCTCCCT AAAGTGGGG 172740
 AATAAGAATT GGAAAGAAGG CTGCAGAGCA GAGGGTTTGC TCCTGAGGAG CAGTTATTTT 172800
 TATGGGATCA GAGCTCCTGC AGAACTGGGG AGTTTACTTT TACTATCTCT TCTCCAGGAC 172860
 AGGACCTATC TCAAGAGACA TGTTCAAGT GATTGCAACA TAAAGAGTTT GCAGACCCAA 172920
 GGAGGTAGGG AAGGCAGAAA GAAGATGGGG GAGGCCAGGG ATAGGCAACA GAGGAGTGAC 172980
 CAGGAGCGAA AAAGCCTGCC TCTTCTGAGA ACCTAGCTGG GCTCTCCCTG TACCCCGAT 173040
 CCCTCCCCC CGCCCGCCCC CACACCCCTA CTCTGGGAG CTCTCTAGG ACAGGGGCAG 173100
 AGTCAGGAGG AAGTTTGAAG AGTGCCTAGA ATAAAAACA GTAATTTAAC TACAATTACC 173160
 GGGTAGGCTG TTTTCTCTC ACAATTGAT CAGTCTCTTG AAGCCACACA GAATTTCTTC 173220
 TGAAGACGTG TATTCCTTGG CAGGCTATTT CCTCCAGTGA TACACCAGGC CCCTCTCTGC 173280
 TGGGGTCACT GCTCTTCTGG GGAGATGGGG CTCCCCTCCT TCCAAGGCTC CAGGGTTCCT 173340
 GTCCTGGGCC CCACTCATCT AAGTTCTGAA TCTTCTGAGA TTTGGTGTA AGTCTGGTGA 173400
 AAGAAAGAGC AGGAAAGAGG TGAGAGCTGT AAAACAAAGA AAGTCCTGAC CATTTTCAGA 173460

GTTGGAGGGG CCCTGCTGTC ACGAAATATA TTCCCCACCC CACTTGCCAT CAGTACACAC 173520
 TCACATATCC ACTGAGAAAA CCTTAGCCTG GACCTTTTCC GTAACCTTCA CTGCTCAGAC 173580
 ACTTACATAT TCGCTGCTAG TCCCCTCTGT TGCTGCCACT TCCTGGGTCA GGAAGTTAAC 173640
 TCAGACCGGA TTAAACTGAG AAGTGAACT ACTGTGGGAG GCGGGGCTCA TAAGATTTAG 173700
 GAGAAAACTA GTGACGTTGT TCATATCATT TGCACTCCGC CTCTCCGTA AAGGAGGGGG 173760
 AAACGTAGGA AGAAAATATC CTTCTTTTAC AGCAATAAAA AGAAGGAACC AATTAATAAC 173820
 CCTGTAACT ATCATGTGAC CCCAACACAG AGTATCTAAA AACAGGAAGC CTGCAGAGGT 173880
 TCAGTTTACA GACTCTGATT TGAGATCTTT CTACTTTTGC CACCAACTCC CTTGGGAGTC 173940
 CTTAAGCCTT CCTAGCTGAT GTTACTTCTT TTGCTATTTA TGGGTTGCTT GTGGTTCTAT 174000
 AACTGCTCTG AAGGGTGTGG TGGAAAAAGG GGTGGTAACA GCAGTAGGAC TCATTGGCAT 174060
 CACAAAATTC ATCTGAGTCA GCTTCTATT CTTCTCTGTC CCGTTCTGTG TCTTGTTTTT 174120
 CTCCTTGCTG TCCTTCTGCA GGACTCAGAT CTTCTTCAAT AGCGAGGGTC AGCCAGGATA 174180
 GAAAATGGGA GTCACTAGTG GCCCAGCAGT GAGTGCCCCC AGCTTAGAGC TGTGTGGGAT 174240
 CCCTGGGACC ATCACTCTGC TTTGTGCTTT GTGGAGAAAA GGCTGTGGGG TCCAGGGTCA 174300
 AGTCCTTAAT GACTTAGCTC CAGCTTCTCC ACTTCAAAAT GAAAGGAAAA GTACTATCAC 174360
 CACCCGTTAG AATTATTATT TCATGGGGAA AAAAGATGGA TTACTATCTC ACAATAAGAG 174420
 CTTGTACAT TTATAAGTCT CAGGTGTAAG AGGCATTTAT GATAACAACA TAATAAATGC 174480
 TGGCTTAAGT AGATGCAGTG GTCCAAGGGA ACCAGTAAGG GGAGCTCAGG ACACAGGTGG 174540
 GAGGAGAAAT TAACTTGAA TTCTGGGAGC CACTGGCCTG TCTGGGCCCC TGGCCTGCCT 174600
 GCTGACCCTG ATAGCCAATG GAACATGGAG TTTGGCCCAG CTGCAATCCC TCTGGTCCAA 174660
 CTACTCAAAA TAAAGGCAAG ATTGGGAAAC ACGTTCCTTT CTTCTTATAC CAAGCAGAAG 174720
 ACTCTTCAGC ACTGCACCCT CCTGGGTGCT CACAGAGCCT TCTGTTGTTT TGCCACCTAC 174780
 GATTCATCAT GCCCTGGCAT GATGGTTGCA GACCCCATGC ATAGCATGGG ACATTCTACT 174840
 CCTGAGGCAA CCAGCACACA GAGAGAGGAG AAAGAATGAG CCCCTGAATC CTTGGTCCCA 174900
 CGATGAGTCC TTGCAGATAT CTACAACTTT CATTGTTGTG GATGTGACTC TGTACCCAGG 174960
 CATGGCTCAT TCCAGATCTG TCCTATTGTC AGAGGTGTTT AAACCAGAAT GACTCCATTT 175020
 TGAATGGGGG CTAGGTAAAA TAAGGCTGAG ACCTACTGGG CTGCATTCCC AGGAAGTTAG 175080
 GCATTGTAAG TCACAGGATG AAATAGGCAG TTGGCACAAG ACACAGGTCA TAAAGATCTT 175140
 GCTGATAAAA CAGGTTGCAG TAAAGAAGCT GACCAAAACC CACCAAAATC AAGATGGCAA 175200
 CAAGAGTGGC CTCTAGTCAT TCTCATTGCT CATTATACAC GAATTATAAT GTGTTAGCAA 175260
 GTTAGAAGGC ATTCCCACCA GCTCCATAGT GGTTTATAAA TACCATGGCG ATGTCAGGAA 175320
 GCTACCCTAT ATAGTCTAAA AAGGGGAGGA ACGCTTGTT CTGGGAATTG CCCACATCTT 175380

TCCCAGAAAA CATATGAATA ATCCACTCCT TGTTTAGTAC ATAATCAAGA AATAACTGTA 175440
AGTATCTGTA TTAGTCCATT TTCACACTGC TGATCCAGAC ATACCTGAGA CTGAGTAATT 175500
TATACCAGGA AAAAATGTTT CATGCTCTTA CAGTCCCACG TGTCTGGGGA GACCTCACAA 175560
CCACAGCAGA AGGCAAGGAG GAGCAAGTCA GGTCTTACAT GGATGGCAGC AGGCAAAGAG 175620
CTTGTGCAGG GAAATTCCTT CCTATAAAAC CATCAGGTCT CATGAAACTT ATTGACTATC 175680
ATGAGAACAG CAGTATAAAT TACTCAGGGA AAGACCTGCC CCCATGATTC AATTACCTCC 175740
CACCAGGTCC CTCCCACAAT ATGTGGGAAT TTAAGATGAG AGTTAGGTGG GGACACAGCC 175800
AAACCATATC AGTATCCTTA GTCCAGAAGC TGATGCTCTG CCTGTAGAGT AGCCATTCTT 175860
TTATTCCTTT ACTTTCTTGC TTTCACTTTA CTGTGTAGAC TTGCCCCAAA TTCTTTCTCA 175920
CACGAGATCT AAGAACCTTC TCTTAGGGTC TGGGTTGGGA CCCCCTTTCT GGTAACACTA 175980
TCAAAGGATC AGGAAAAGGA AGCTAGTGAA TGCTAAAAAG GAAACAAACT ACCATTACCA 176040
ATAATAACAG CAAGACAAAA GCAAAACGGA TTGTGACAGC TGTCCCATCT CACACCTGTT 176100
TCCCATTTGCA GGAAGGAGGG GCTGGTTCAT GCACAGAGTG GCCAATATTA GAAGCAGAGA 176160
GGGGGTGCAG ATGAGACTTC AGGAATATGT TGACAAAGGC AGGCCTAGGG AGAAATCAAC 176220
CTGAACTATC CCCAAGGAGG AATGCATTAT CTCTAATATG TAAAGTTAGG CTTGATCCTG 176280
TGATTATGGG ATATAGGAGT CCAAAGACTC ACAATGGGAA GTAGGTCACT AGAGTCTCCT 176340
TCAGAAGCTC TGTAAGTGT GTTCCCACTG TGGGCAAGAG TCAGCACTCA GCTATTCCTA 176400
GAATGCCTTT CCTCAACTCC TTCAGATTTT GCCTCTCAAC TAACCCTATC CTGACCACTT 176460
GTTAGCAAGT GTACCCCTCT CTCCCTCCCA AACATTTTCA AATCTATTTT GTTCCCATGG 176520
CACTTATCAC TGAATATTTT ACTAATTTAT TTTGTTTAGT GTTTGCTTCC CTCATGAGAA 176580
TGCAAAGGGA TGGATTTTTT TCAATATTGT TCACTGATGA ATCCCAGTAA CTAGAATATT 176640
TCTAAGCATA GTGATGTGCA TTAAATCAAA GAGTAACTTT CTGAATTGCA CTAAACACAC 176700
ATCACAAGAG GTGTGTGCAC ATATGTGCAT GATGCACGTA GTGTGGTGTG GGTGTTGTGT 176760
GGGGTATGTG GTAAGTGTGT TGCTGTGTGT GGTATGTGAT ACATAGTTTG TGTTAGTGTG 176820
ATGCATGTGA TGTGGTATGT GTGTGCGTGT CCATACATAT TAGGGGTGGC GGGGATGTTA 176880
ATATGTCAAA TGGTACTAGA AAGTATCAGA ACTCATGGTG CTTACTGGTT TCCCAGAGAG 176940
CTGCTTCTCT CCCACCTGTA GGATATACTG ATGGTTTGGA CAGAGAAGAA ATAAAAAGAA 177000
GGCTGTGACC TACTGGGCTG AGGAAATAAA AACGAAAGTA AAAGAAGAGC TGGGAAAAGA 177060
GAGTGGAGGG GCCAAGGGAA ATTTCCCCTT TGGCTTCTGG GGAAACTTTG CTGAAAAATC 177120
AACTCACAAA TTTATTAAAC TGACACAGG GAGAACATA GAATGATTAT CCACTTCCCA 177180
AGAGGGCTTA AAAGCTTATA TATTATCCTG GCAAAACAGA TTATGGGAGG GGAAGAAGAG 177240
AAACTCTGTT GATGGGATTA CTGTTGCGGA TTTTGTCTCC TTCGCTCAGC TAGGTCCGGG 177300

TTTTTGTCTC ACAGCCAGGA AGAATTAGGC ATGCAGCCAT CAAAGAATGA GTGGAGTAGA 177360
ATTTATTAAG TGAAAGGAAA GCTCTCAGCA AAGACAAGGG TCCTGAAAGC AGATTTCTGG 177420
TTTGCTCTTC ACAGTTGAAT ACTAGGGCTT AAGACTCAAA TTCCTGACAA CTCCACCCTG 177480
TCCTACCAGT GCATGCAGGC CTTTAGACTG AGCTACTCCA TATTGATTAA TTTCTGAAC 177540
TGCGCATGTG TTAAGGAAAG GAATCATCCA CTGCAGGCAT GTTTAGGCAA GCCCCCTGTG 177600
CAAGTTCCCT TATCTGCACA AAACATCCGG TGTAAGCACT TGTGGGGCAG GTCAGAGGTT 177660
CTCTGGGTAC CATTCCCTTA CTGTCTGCCT AAAGCAAGCT GGCCAACTCC TTTCATTACT 177720
AGGGAGAGTA AGTAGATCAG GGAACAGAGA TTAACCTGAA CATTATCTTG TGAAAGTCCG 177780
TTCGGGCATG GTTACATTCT TGGTCTTACA GGAAGGGTAA ATAAAAATAA TTGCTCTTTT 177840
TGGTGGGTCT GGATCTTAGG TAGATAAAGA AACTTTAATT CCACGATGTG TTTTGGTAGG 177900
GATAGTTGGT GGCAGGGATG TCAGAGAGAC TTTGAGGCTT CTTCAGTTCA ATATGACCAA 177960
GGGCCATATA TTAGGGTATC AATTTCTGAG CCCCAACAAG AGCTTAGGAG AGATGTGATA 178020
GCATCACAGT GTGAAAGCAA TTTTTTGTCT GTTTTTTAGAG ACAGGCTCTT GCACTGTCAC 178080
CCTGGCTGAA GTACAATGGT ACGATCACAG CTCACTGTAA TCTTGAAGT GGTTCAAATG 178140
ATCCTCCCAT CTAAGCATTT CAAAGTGTG GGATTACAGG CATGAGCCAC GGTACCCAGC 178200
CTGAAACTGC ACCCACTTTC TGATAAACTT TTCAAATGAC TAAAGGGGAG AGAGTAAGCA 178260
CTACTCAGAG GTAGGAAGAA AGGACACAGG ATTATAGGAT TAAAACAACA ACCACCAAAA 178320
AAAACCAGAC CGGTGTGGTG GCTCACACCT GTAATCACAG CACTTGGGGA GGCTGAGGTG 178380
GGGGGAGTCA CTGGAGGCCA GGAGTTCGAG ACCAGCCTGG CCAACATAGC AAGACGCTGT 178440
CTCTATTAAA AAAAAAAAT ACCTGCCTTG AGCTAATCAG AATCATGGAC CCTGACAAAG 178500
GATGTCCCAA AGTAAGTCTT AGCATTTTTT TTTTTTTTTT GAGACAGTCT CGCTGTGTTG 178560
CCCAGGCTGA AGTTCAGTGG CGTGATCTCG GCTCACTGCA ACAGCTGCCT CCCAGGCTCA 178620
AGCAATTCTC CCTGCCTTCA GCCTCCCAAG TAGCTGGGAT TACAGATGCC CACCACCACG 178680
CCTGGCTAAT TTTTGTTTTT TTTAATAGAG ATGGGGTTTT GCCATGTTAA CCAGGCTGGT 178740
CTTGAAGTCC TGACCTCAAG TGATCTGCCC ACCTTGCCCC CTCCATAGTG CTGGGATTAC 178800
AGGCGTGAGT CACTGCACCC GGCAAAGTCT TAGCATTCTT TACAAACAGT TTGTACCCGT 178860
ATCTCTAAAA GGGAGTAGTG AATTTACCC CAAAATATGG CTTCTGATA TAATGAGTAT 178920
TTTGAATGAA AACTCTTAG AGATCAACAG AACTAAAGA GACTTTTCCC TAGGTACATA 178980
AAAATAGGAT GGCCCCACCA GCGAGAACAA TTGTTCTTTT CTCCCTCCCT GTTATCTCAT 179040
TGTGCATTAT AGGAAAGACC AAGAATGTAA CCACACCTGA ACAGACCCTT TTATAAGATA 179100
ATCAGTCTCT AAGCATCATT TAAATTCCAA GGAGAACTAT TTACAAATTT ATCTGTTCTT 179160
TGATCCAATT AGTCTCTCCT GGTAGTTACA TATTGCCCCT CAACAGAATT CCTCTTCTTC 179220

TGTTTCCCAT AACCTATTTT GCAAGGATCA AGCCCCTGTT ACTTCTTCAA CTTCAAGTTG 179280
 GCATATAAGC TTCTAAATTC CACTGGGATA TTGGTACTAT GTGCATGAGG AGAACCACAG 179340
 AGTAATTAAA TTGTAAAGCC TTTTATCTTA TGAATCTGCC TTTTTTTGTG TTCATTTTTTC 179400
 AGCAAAACTT CCAAGGGCAA AGGTATAAAA CAAAAATAAA ATTCTAAAGC CCCCCAACCA 179460
 TCTGAATAGA CTTTCTCTTC AGTCAGGCTT CTTAAAATGT AACCTGAAAG ACTGGCTCAG 179520
 GCCATTAAGG GAAGTGGGGG TTGAACATGC CTCATTATTC CTCTCTGGCA TTAACATCAA 179580
 CACAGCTTTT AAGTCTGATA AGAAACATTT TACAACCTAT TCTCTCTGAA GCCTGCTAGC 179640
 TAAAACTTC ATCCCATAGT ACAACTTTGG TCTTCACAAC CTGTTATCAC AACCTAGTGC 179700
 TCCTTTCTAT TAATCCCAA TCTTTATACA AACTCAACCA ATTGTCATCA CCTCCACCCC 179760
 ACTCCTCCGC TGCTTCCAGT TGTCCCGCCT CTCTGGACCA AACCAGTGTA CATTTCTTAA 179820
 ACGTATTTGA TTGATGTCCC ATGCCTCCCT AAAATGTATA AAGCCAAGGT GCATCCCAAC 179880
 CACCTTGAGC GCTTGTTCTC AGGACCTCCT GAGGGCTGTG TCATGGGCCA TGGTCACTCA 179940
 AATTTGGCTC AGAATAAATC TCTTCAAATG TTTTACAGAG TTTGGCTCTT GTCATGACAC 180000
 AGATGACTGC TTCACTGAAG CCTGCTCTGG AAGTGAGTGG GGGTTTTGCA AGGATAATTT 180060
 TCCCCGGATA GCCCCAGAAG CAGCTAGTAA TAATACACTT AAAGGTAGCT AAAATGCATT 180120
 GAACACTTGT TTTGTGCCAG ACCTATGTCA ACATTTGCTT TGTGCCAGGC TTATGCCAGT 180180
 ACTCCTGATT TGTTAATACA TTCTAAATAA AAATTCTGGA GTTTCAAATA TAATAACTGA 180240
 AAAACAGAAA ATAAATAAAA ATATATAATA ACTGAAATAA AAATTTACTA AGGCTGGGGA 180300
 TGGTGGCTCA CTCACACCTG TAATCCTGTT ACCGGAAAGG GGTCCGTCCA GATCCAGACC 180360
 CCAAGAGAGG GTTCTTGGAT CTCACACAAG AAAGAATTCG GGCGAGTCTG TAAAGTGAAA 180420
 GCAAGTTTAT TAAGAAAGTA GAGGAATAAA AGAACGGCTA CTCCATAGGC AGAGCAGCTC 180480
 TGAGGGCTGC TGGTCGCCCCA TTTTATGGT TATTTCTTGA TTATGTGCTA AACAAGGGGT 180540
 GGATAATTCA TGCCTCCATT TTTTAGACCA TATAAAGTAA CTTCTGACG TTGCCATGGC 180600
 ATTCGTAAAC TGTCGTGGCG CTGGTATGAG CATAGCAGTG AGGACGACCA GAGGTCCTC 180660
 TCATCGCCAT CTTGGATTTG GTGGGGAGCA GTGAGGATGA CCAGAGGTCA CTCTCATCGC 180720
 CATCTTGGAT TTGGTGGGGT TTAGCCAGCT TCTTTACTTT TTTCTTTTTT TTTTTTTTTT 180780
 TTTTTTTTTT GCCCAGGCTG GAGTGCAGTG GCACGATCTC AGCTCACTGA AACCTCCAAT 180840
 TTCTGAGTTC AAGCGATTCT CGTGCCTCAG CCTCCCAAGT AGCTGGGATT ACAGGCATGT 180900
 GCCACCACAC CCAGCTAATT TTTTATATTT TTAATAGAGA CCGGGTTTCG CCATGTTGCC 180960
 TACGCTGATC TCCAACCTC GCGCTCAAGC CATCCAGCCA CCTTAGCCTC CCAAAGTGCT 181020
 GGGCTTATAG GTGTGAGCCA CCCCACCTGG CCTAGCCGGC TTCTTTACTG CAACCTGTTT 181080
 TATCAGCAAG GTCTTTATGA CCTGTATTTT GTGCCCCACTG CCTGCCTCAT CCTGTGGCTT 181140

ACAATGCCTA ACTTACAGGG AATGCAGCCC AGCAGGACTC AGCCTTATTT CACCCAGCTC 181200
 CTATTCAAGA TGGAGTCTTT CTTGTTCAAA TACCTCTGAC AAGCCCAACA CTTTGGGAGG 181260
 ATGACACAGG AGGATTGCTT TAGCCTAGGA GCTCAAGACC AGCCTGGGCA ACACAGTGAG 181320
 ACCCCATCTC TAAAAAAAAA AAATACAAAA AAATTAGCCA GGCATGATGG TGTGTGCCTG 181380
 TAGTCCCTGC TACTCAGGAG GCTGAAGTGG GAAGATGGCT TCAGCCCAGG AATTCAAGGC 181440
 TGCATTGTCA GAGGCATTG AACCAGAATG ACTCTATCTT GAATAGGGGC TGGATAAAAT 181500
 AAGGCTGAGA CCTGCTAGGC TGCATTTCCTA GTATGTTAGG CATTCTTAGT CACAGGATGA 181560
 GATAGGAAGT CAGCACAAAG TACACATCAC AAAGACCTTG CTGATAAAAT AGGTTGTGGT 181620
 AAAGAAGTTG GCCAAAACCC ATCAAAACCA ACATGGCCAC CAAAGGGACC TCTGGTTGTC 181680
 TTCCTGCTC ATTATATGTT AATTATAATG TATTAACATG CTAAAAGACA CTCCTACCAG 181740
 CATCATGACA GCTTACAAAT ACTGCGGCAA TATCTGGACT TTACCTTATA TGGTCTAAAA 181800
 GGTGGAGGAA CCCTCAATTT TGGGAATTGT CCACCCCTTT TTTGGAATGC TCATGAATAA 181860
 TCCACCCCTT GTTTAGCACA TAATCCAGAA ATAACATAA GTATGCTTAT TTGAGCAGAC 181920
 CACGCTGCTG TTCTGCCTAC AGAGTAGCCA TTCTTTTATT TCCTTACTTT CTTAATAAAC 181980
 CTGCTTTCAC TTTACTGTAT GGACTTGCCC TAAATTCTTT CTTGTGTGAG ATCCAAGAAC 182040
 CCTCTCTTGG GGTCTGGATC AAGACCCCTT TCTGGTAACA TCTTTCTGGT GACCACGAAG 182100
 GGACAATACT GAGGAGACTC TGAAGCCAAA GGAAACAGAC TACAGCACCA ACTGGCTGAC 182160
 TTTGGGTAAG TGGTGGAGTC CCCGGGTAAA GGATAGGATT GGGTTAGAGG TGCAACTTAG 182220
 GGGAGATAGG GTCTCTCCTA AGACAGAGAG CGTTTCAGTC CGCTCTTAAT AAAGGGCAAG 182280
 AATGCTTGAC CGAACTTGGG TTTGAGACCC AACTTAGGAA GGCTACAGTC CTTAAGATTT 182340
 AAGGGGTTAG AGGCCCCCTC CAGTAAAGTC TCTCTTGGTT AAAAACGGAT TTAGCATTAG 182400
 GGGATGTTAA CTGCTATTCT GTTTGTATTA ATCTTCCCTG TGCTCTTTGC TGACAGCTAT 182460
 GGGTGACAGG ATTAGGCATG TACAGGATCA CGGGACATTG GGAACTTTTT TTCTCTCCAA 182520
 AAGGGGAAGC TTGACAGCTG ATAGGACTGT TGGAAAAGAT CCCTTTGCTA TGACAAGCAG 182580
 CCGCCTGAAC TTTTGATTCA GTGTGCTGAC AATGGGTGGG TCTTTCTCTG GCCTCTGTGA 182640
 ACTCCTCACC TTCCCCACCT CACCACAGGC AATGCTTTTC TCCCTTTCTC TCTTTTCTCT 182700
 TTTCTGTCTT TTCTGTTACT TGAGACAACC ATCTTGCCCA GAGACCATAT GTTGAAACTC 182760
 CTGGTCAGAA GTTTGATTAA AGATGAAAGG GCCTATCTGG GGGCAAGTTT GAGCCTTCCC 182820
 AGTTAGATAT TGGGTGCTAA GTGGAGTGGC CAATGTCTAT GTTTTGTCAC ATGTATATTG 182880
 CTCTGGCTGA AATGGAAAAC GTTAATTTGG TTTACTTTATG TGGCCATTGG GCAGCATCTT 182940
 ACAAAGTGA GAGACATTTA TTTGCCTGTG GTTCCATGAA ACAGAAAAAA GTTGGTTTTC 183000
 CTTTGTGTCG TAGCTTGGAC CCAAGGGCTT TGCAGTGAGC AAGGTTGCTA GCGCTGCTCA 183060

GTGAAAGAGA ACCCAGAAAC CTGGCATGCC AGCAAAAGGG TAAAGATTTC TTACCAGTCA 183120
 GGCTTCTGGC CTCTCTCTCT TAGTGAAAAC TGAATGAATG GTAAAAATCA CTGTTTATCA 183180
 CCTCTGTAAA GTTTTGATTA ATGGGAACAA GGATTGTGG GGCTAGTCTT AAGCTGTAAT 183240
 GAATCTGGTA TACTTTGTGA TATCAATTTG TCTTTCTGTA TTACTCTGTC ATAAAGAGGA 183300
 ATATGGTAGG ATAGAACATG GGCTTAGGAC TCCATAAGCC TGCTGTTCAA GCCAGCCCAG 183360
 TAAACTGGTC CGTTGCAAAG TTTATTACAG GTCCCTGGAA AAAAAAAAAA TTAAAACTG 183420
 GATGAAGTTT CCTTCTCATC TTGTTTTATG TCCTTTGGAG CTTACCTTG TAACCACGTG 183480
 GCGGTACTTT CTCTTGGTCT CTGCCATCCA GGGAACAGGA ATTTTGGGGT TTATGTAATA 183540
 GTTAACTCTA AAAATTATCT CAAGCCATTG CAAGCTCAA ATTGGCTGCT CTGGACCCCT 183600
 TCTGGGAAGG GCAATGGAAA CTAACCAGTG TTGTAGCTCA GCAGCTAAGG ATTTGTCATT 183660
 TTATAATGGC GGCCAAGGTT CAATCCTGGC TTAGGGAATG AGTACTTTCT GATTGATATC 183720
 TGTGTGACCT TTACCATTTG TTGATTCTGT TCTCTTCCCC TCCACACACT GTCTTGAGTT 183780
 TTCCTCTCTC TGAGAACCTG GGAGATTATC TTTGGTAAAG TTCAAAGCC AGAAATAATG 183840
 GCCGTGTGGG ATGGCTAAAG TTGAGTAATA AGAACTTAA AAGGACTCCT TTTTTTTTTG 183900
 CTTTAGAGTG CTATGGTTTA TGGTTAAAAG CTTAATTAAA AGTGGATATT CAATCTCTAA 183960
 AAGCCTGGGA CTCCTTGGGA AAAGCAGAGG AGGCACCACA GACCCCATTT TGGGAAAACC 184020
 TCTGTTTTCC TCATGAAACC CCAGGAAC TGAGTGGATA GATCCTTCGC AAAATCTAAG 184080
 GCTCTGTTTG GCTTTGCATT ATGTTATCTG ATGTTTTTGA CTTTTGGGGG TATCAGAAAT 184140
 TACTTTGCAT TATGAGGGAG ATCTGGTGTG TAATAACCAG GTAGGAAATA TACTTCTGGG 184200
 GATAGCTAAA GGCAAATATA GGTGAATACT TGGCTATTTG CACTTTTGGA TCACAAGAAG 184260
 CATTCTCTTG ACTACCTAGA AGGTATGGAA ATGTCTCCAT CCCCACCGAG AGATAAGATT 184320
 CCCAGGGGAG ATGGCTGATC CCCCAAAAGA GGGCTGATTC CCTCTTTTGG GATCCAGGAT 184380
 CTGGTATAAA AATGGGACCC TGGCCAGGCA CAGTGGCTCA CGCCTGTAAT CTCAACACTT 184440
 TGGGAAGCCT CAGAGTTATG AATGTCTCAC CATACTGACA CTTTGTGACT GAGCTCCTCT 184500
 CTACCCTGGA CACAAGAGAC CCTAATAATT AGACAGGAAT ATCATTGCCC CTATTTAGTC 184560
 TGAAGAAGTT ATAGAAGATG GATCTTTATC CCACTGCAAT CCTTAGGATT AAGGGTCCC 184620
 TGGTAAAAGG GAGTGGGAAA ATATGTCAGA GGCATTTGAA TCAGAGTGAC TCCATCTTGA 184680
 ATAGGGGCTG GGTAAAATAA GGCTGAGGCC TGCTGGGTTA GGTTAGGCAT TCTAACCAGG 184740
 AGTTTAGTCA CAGGATGAGA TAGAAGGTTG CACAAGGTAC CCGTCACAAA GACCTTGCTG 184800
 ATAAAATAGG TAACGGTAAA GAAGCCAGCT AAAGCCCACC AAAACCAACA TGGCCACAAA 184860
 AGTGACCTCT TGTCATCCTC ACTGCTCATA TACACTAATT ATACTGCATT AGCATGCTAC 184920
 AAGACACTCC CACCAGTGCC ACGACAGTTT ACAAATACCA TGACAACATC TGGACGTTAC 184980

CTTATATGGT CTAAAACGGG GAAGAACCCT TAGTTCTGGG AATTGTCCAC CTCTTTCCTG 185040
 AAAAATTCTT GAATAATCCA TTAGTTTAGC ACATAATCCA GAAATAACTA TACGTCTGCT 185100
 TATTTGAGCA GTCCATACTG CTGCTCTGCC TATGGAGTAG CCATTCTTTT CTTTTATTTT 185160
 TATTTTTTAG ATAAAGACTC GCTCTGTCAC TCAGGCTGGA GTCTGGAGTG CAGTGACGTG 185220
 TTTTGGCTCA CTGCAACCTT CACCTCCCGG GTTCAAGCAA TTCTCCTGCC TCAGCCTCCC 185280
 AACTAGCTGG GACCACAGGT GGGTGCCACC ATGCCCTGGCT AATTTTGTGA TTATTAGTAG 185340
 AGATGGGGTT TCGCCATGTT GGCCAGGCTG GTCTCGAACT CCTGGCCTCA AGCGATCCAC 185400
 TTGCCTTGGC CTCCCAAAGT GCTAAGATTA CAGGCATTAC CCACTATGCA TGACCCATTC 185460
 TTTTATTTCT TAACTTTTTT TTGTTTTTTT GAGACAGAGT CTCACTCTGT CACCCAGGCT 185520
 AGAGGCTGGA GTGCAGTGGT GCGATCTTGG TTCACTGCAA CCTCTGCCTC CTGGGTTCAA 185580
 GCGATTCTTC TGCCTCAGTC TCCTGAGGAG CTGGGACTAC AGACATGTGC CACTACACCC 185640
 AGCTAATTTT GTATTTTTAG TAGAGACAGT GTCTTGCCAT GTTTGTCAGG CTTGTCTCGA 185700
 ACTCCTAACC TCAAGTGGTC TGCCTGCCTC AGCCTCCCAA AGTGCTGTGA TTACAGGCAT 185760
 AAATCACTGC GCTCGGCCCT TCTTTACTTT CTTAATAAAC TTGTTTTCAC TTTACTGTAT 185820
 GGACTAGCCC CAAATTCCTT CTTGTGTGAG TTCCAATAAC CCTTTTGTGT GTGAAAGAAT 185880
 TTATGGCTGC TGTTCAGGCT GGAGCAAGCT GGAGCTCATG CTGCTGCTCA GACTGGAGCA 185940
 TGCGTGATCT GTGATCCCAG TAAGAGGATC ATGGTCACTC CAGCCTGAAC GACAGCATGA 186000
 TATCTCATCT GTAAGAAAAA AAAAATTACT AGAGGGCTTT AACAGCAAAT TTGAGCAGCA 186060
 AAAAGAAGTA ATCAGTGAAC TCAAAGATAG GTCAATTGAA ATGATCTACT CTGAAAAACA 186120
 GAAAGAAGAC AGAATGAAGA AAAAGAAATA GAGCCTTAGA GACAGGGGAT ACCATCAAGC 186180
 ATACTAATAT ATGCATAATG GGACTCCTAG AAGGAGAAAA GTGAGAGGAC AGGGAGAGAG 186240
 AATGTTTGGA GAAATAATTT CTCAAAGCTT CCCATGTTTG GCAAAAAAAC ATTAACTTGC 186300
 ATACATATTT TAGGAGCTCA ATGAATTCCA AGTAGGATAC ACTCAAAGAG ATCCATACCT 186360
 AGACACATCA TAATCAGATT ATCAAAAGAT GAAGAAGATG AATCTTGAGA GCAGAAAGAA 186420
 AGGAACAATT CATCACATAC AAATAGTACT CAAAAGATGT CTGGAGTAGG TATACTAATA 186480
 TCAGACAAAA TAACTTTTAA GATAAGCATT GTTATAATAA ATAAAGAAAAG GTATTTTGTGA 186540
 ATGATAAAAG TGTCAATTCA TCAAGAAAAC ATAACATTAT AAACATACAT GCACCTAACA 186600
 ACAGAGCCCT AATATTCATG AAACAAAAC TACAGAAATG AAGGGAGAAA TAGAAAATTC 186660
 GACAATAATA GTTGGAGACA TCAATACCTC ACTAGTTAGA CAAGATCAAC AAAAAATAG 186720
 AAGACTTAAC ACTTGAAAAC ACCTAACCTG ACCCTAACAT AAATCTATAG GTCCTACAC 186780
 CCCAAAACAG CAGAATAAAC ATCCTTCTGA AGCTCACATG AAACATTTTT CAGGATAGAC 186840
 TGTATATTAC TTCATGAAAT AAGTCTCAAT AAATGTAAAA GGACTATAAT AATAGAGTAT 186900

ATATTCTCTG ACCAAAGTGG AATGAAGATA GAAATCAATA ACTAGGCTGG GCGTGATGGC 186960
 TCACGCCTGT AATCCCAGCA CTTTGGGAGG CCAAGGCGGA CAGATCACGA GGTTCAGGAGT 187020
 TTGAGACCAG CCTGACCAAC ATGGTGAAAC CCTGTCTCTA CTAACAAAAT AAAAAATTA 187080
 GCCAGGCCTG GTGGCATCTG CCTGTAGTCC CAGCTACTCG GGACACTGAG GCAGGAGAAT 187140
 CACTTGAACC CAGGAGGCAG AGATTGCAGT GAGCTGAGAT CGCGCCACTG CATTCCAGCC 187200
 TGGGAGACAG AGCGAGACTC CATCTCAAAA TTAACAAAAA AAAAGAAACT AGAAAAATAA 187260
 GAACAAATCA AACCCAAAGC AAGCAAGAGG AAAATGAAAA ATTTCAAAGC AGCCAAGAAC 187320
 AAAAGGCACA TTATGTACAG AAGAACAAGT GTATAGATCA CATATTTCTC ATAGACACAA 187380
 TATAAGCAAA AAGACAGTGG AGCAAAATTT TTTAGATTAA TGAAAGACCT ACAATTCTGT 187440
 ACCAAGCAAA AAAACTCCCC CCAAATGAGG GTGAAATAAG ACAATTTAAT ACAGAGAAAA 187500
 GAGGAAGGAA TTTATCTAGT CATATGTGAG AGTTTTATGA TACATTTTGT ACTGTATATG 187560
 TGGATGTTTT CTATTTTCATT TAAAAAATCA ACCGTGCAAT TAAATGGTAG ATTGTCTTGC 187620
 TTCTTTTTGA TTGACACAGT CATTAACATA AATATTGTAG TATTTTTTTA TCTCCCTGCC 187680
 TAAAGGCAAT AAACATCTAA TCAGCAGACT AGAACAATAA AAAATATTTT TAAAAGTCC 187740
 TTTAGGCAGA ATGATAAAAG TCCCTTAGGC ATATTGAAAT TCCTATTTAT ACAAAGGAAT 187800
 AAACAGTACT AGAAATTGTA ACTATGTGAG TAAACAGATA ATATTTTTTC TCCATAAAAT 187860
 GTGGTTGACT ATTTTCACAA AAATAGTTAA CAATGTAATG TGTGATTTAT AGCATTTAAA 187920
 AGTAAACAG GCCGGGCACA AAGGTTCTGT CCTGTAATCC CAGCACTTTT GGAGGCCGAG 187980
 GCGTGAGAT CACTTGAGGA CAGGAGTTCA AGACCAGCCT GGCTAACATG GCAAAACCCC 188040
 ATCTCTACTA AAAATACAAA AATTAACCAG GCGTGGTGGT GCACGCCTGT AATCCCAGCT 188100
 ACTCTGGAGG CTGAGGCACA AGAATCACTT GAATCCAGGA GGTGGAGGTT GCAGTGAGGC 188160
 AAAATTATAC CACTGTGCTC CAGCCTAGGC AACAGAGCTA GACTCTGTCA CACACACACA 188220
 CACACACAAA AGAAAAGTGT ATGACAACAA CAGTGCAAAA GAAGCGGAAA TGAAAATAAT 188280
 GTTATTTTAT ATAAGTGGTA TACTTTTAGA TGAACACGA TAAATTAATG ATGTATACTA 188340
 TAAACTCTAA GGCAACCACT GAAATAATGA AACGAAGAAT TATGGCTAAC AAGCCACAAA 188400
 AAGAAATAAA ATAGAATGAG AAAAAATATT TAAGTTGTTC AACAGATGGG AAAAAAAGA 188460
 GGAAAAAGAG AACAAAGAAC AGATGGGACA AATGGGAAAG TAATAGCAAG ATGATAGACT 188520
 TAACTCTACC CATATAGATT ATCACACTTA AGGTAAATGA TCTAAATACT CTAATACAAA 188580
 AGCAGAGGTT GTCAGATTGA ATTAAAAAAA CAGACAACAA CAAAAAAAAG CAAAAAAGA 188640
 GCCACAACAT GCTGCCTACA AAAAATTCAC TTAAATATAA AGACACAAAT AGTCTAGAAC 188700
 ACCATCACTT TTAACCTTAT TTAATCAAAC CTCCTAACTG ATCCCTATTT ATTTATTTAT 188760
 TTATTTATTT ATTTATTTAT TTATTTTGA GACAGAGTCT GACTCTGTTG CCCAGGCTGG 188820

AGTGCAGTGG CACCATCTAG GCTCACTGCA GCCTCTACCT CTCGGGTTCA AGCGATTCTC 188880
 CTGCCTCAGG CCTCCCAAGT AGCTGGGACT ATAGCACATG CCACCATGCC CAGCTAATTA 188940
 TTATATTTTT AGTAGAGACG GGGTTTTGCC ATGTAGGCCA GGTGGTCTC AAACGCCTGA 189000
 CCTCAGCCTC CCAAAGTGCT GGGATTACAG GCGTGAGCCA CAGCACCCAG CTCCTCTTCA 189060
 TTTATTCTTG CTACGCTTCC TCCAATCCAT TTTGTGCATT TGATGATTTT GCCAGTAACT 189120
 TCTTTATTTT TCTGGTAAAA TTACTTATGG GTCCTGAGG ACTGGGATGT TCTTTCTTCT 189180
 AGAGGGGGTT TGTGTCTGCT TTTGCCAGGA AGCTGGGGTA CCACCAGTCA AGTATTACTT 189240
 TAAACTCAAT TCATGAATTG AGACTTTTTT TTTTTTTTTT TTTTTTACGC AGAGTCCTAC 189300
 TCTGTCACCC AGGCTGGAGT GCAGCGGTGT GAACATGGCT CACTGCAGCC TCAACCTACT 189360
 GAGCTCAAGC AATCCTTCTG CCTCACCATT CTGTATAGCT AGGACTACAG GTGTGTGCCA 189420
 CCATGCCTGA CTAATTTTTT AAATGTTTTT TTTAGAGATG GGGCTCACTT TGTTGCCCAG 189480
 GCCGGTCTCG AGCTCCTGGG CTCAAGTGAT CCTCCACCT TGGTCTCCCA AAGTGCTGGG 189540
 GTTACAGGCA TGAGCCTCTG TGGCTAGCCA AGACTTTTTA TTTTTTAGCC TAAATGTGTA 189600
 TAAAAGTTGG CTTGTGGTTA CAACTTATCA GGATTGATGA TCTCTCTCTC TCTCTCTCTC 189660
 TCTGTCTCTC CCCACCTCTC TCACATCCCT TGCTCTGCTG AGAAGCAGAG CAAACATTCT 189720
 AGCAGTTTCC AGAGAGTAGG ATGGGATTAC TTCTAGTTTA CTTTTATCAT CCTTTGGGAT 189780
 CGCAGTATTA CTGGGAGAAC ACAAGTATCT CTTATTAGAC ATACCACCTT TGTAGAATCT 189840
 GGACTTTCAT TTTAGACTTT ATTTGTTTTT TACTATAAGC AATTTAAGTT ACAGATCTCT 189900
 CTACACACTG TTTAAGTTGC ATCCCATGAA TTTTGATGTG CTTTATTGTC ATTATTATAT 189960
 AGTACAATGT ATTTTGTAAT TTTTGTGAT TTGTTTGGAG AGATTGATTA ATTAGAATGA 190020
 TGTTTAATTT CCAAATATGT GTGTTTTTTT CCTACATTTT TTATTTTTAT TGATTTCAAA 190080
 TTTATTTCTA CTGTAGTCAG ATTTAATAAT TCATTTATTT TTATTATTTT CATTTTTTTA 190140
 GAGACAGGGC CTTTCTGTGT TGCCAGGTT TGTCCCAAAC TCCTAGTCCC AAGCAGTTCT 190200
 CCTGCCTCAG CCACCCAAAG TGCTGGGATT ATAGGCACGA GCCACCCGTG CACAACCAAC 190260
 AATTCATTTA AAAAGTGGGC AAGTGAACGT AACAGACATT TCTCAAAGA AGGCATACAA 190320
 TTGGCCAACA AATATATGAA AGAATGCTCA ACATCACTGT ATTAGTCTGT TTTCATGCTG 190380
 CTAATAAAGA CTTAACCTGA GACTGGGGAA TTTACAAGAG AAAGAGGTTT AATGGACTTA 190440
 CAGTTCCACA TGGCTGGAGA GATCTCACA TCATGGTGGA AGGCAAGGAG GAGCAAGTCA 190500
 CATCTTACAT GGATGGCAGC AGGCAAAGAG AGAGCTTGTG CAGGGAAACT CCCGTTTTTA 190560
 AAACCATCAG ATCTCGTGAG ACTCATTCAC TATCATAAGA ACAGCATAGG AAAGACCCGG 190620
 CCCATAATTC AGTCACCTCC CACTGGGTTC CTCCCAGGAC ACATGGGAAT TGTGGGAGTT 190680
 ACAATTCAAG ATGAGATTTG GGTAGGGACA CAGCCAAACC ATATAAATAA CTAATCATCA 190740

GGGAAATGCA AATCAAAACC ACAATAAGGT ATCATCTCAC CCCAGTTAGA ATGGCTATTG 190800
TCAAAAAAAC AAAAAATAAC AAATGCTGGT GAGGATGTAC AGAAGAGGGG ACTCTTATAT 190860
CCTACTGGTG GAAATGTCAA TTAGCATAGC CATTATGCAA AATAGTATGG AAGTGAGGTA 190920
GGTTACATAG GGTGGTCACA GCCTCCCTTG AAAGGAAACA AGAAACTTGT CAAATTGATG 190980
GAGAGAACAA ATCTCTTGAC ATTACACAAA CTGCATCTGG GGCTAGTGGT TAGAATATCC 191040
TCAGTCAAGG AGGTAGAAGA GCAGGAGGGA AAATCCCTAA GTTCGTGCAA GTGCAGAAAC 191100
CCACAAGCTG TGTTCCTCAGG TTGACATATA CTCATTTTAA TAGTAAGAAA CACACCCTTG 191160
GGTAGAGAAT TAAAATGCTA ATAATACATG TGATGTATGT ACTAGCGTGT ATGGCAATAT 191220
TGCATGCACA TTCAAGAGAC CACCCAAAAC ATATTTAACA ACAATGCCCA TTCCCACCCC 191280
CTCATGGATA ATCACGTAGG ACTCCCATAA CGGGAGTTTC TTCAGTGTCA ATTGGTGCTG 191340
AAGTAGCCGA CCCTGACTCT GCTATCAGCG TGTACTTTCA CCTTGCAATA AACTCCTTTG 191400
CCTACTTTTA CTTTGGACTG GCTTTCAAAT TCTTTTGTGC AGGGAATTCA AGAATCTGAA 191460
CCAGCCCACT GACAACAGAG GTTTCTCAGA AACCTAAAAA TAGATCTACC AGATGAGGCT 191520
GAAAATCTGC TACTGGCTAT TTATCCAAAG GGAAGGAAAT CAGTATACAA AGAGACACCT 191580
ACATCCCCAT GTTTATTGCG TCACTCTTCA CAAGAGCTGA TATATAGAGT CAACCCTAAA 191640
TGTTTCATTAA CAGACAAATG GATAGAAAAT GTGGCATATA TACACAATGA AATACTATTT 191700
GGCCATGAGA AGAATGCAAT CTTGTCAATT GTGGCAACGT AGATGAAACT GGAGAACATT 191760
ATGTTAAGTA AGATAAGCTA GGATTGGAAA GATAAATACT ACATGTTATC ACTCATATGT 191820
GAAAGTAGAG AAAAATTTTT AGCTCATGGA TTTAGAGAAC AGAACTGTGG GTACCGGAAG 191880
CTGGGAAGGG TAGCAAGGAG GGGAGGATAG GGAGAGGTTG GTTAATGGTG ACAAATTAC 191940
AGCTAGATTG TAGAAATGAG TTCCGGTGTT CTGCACCATT GTAGGGTGCA TATGGTTAAC 192000
TCTCATTTAT TGTATATTTT CAAAAGCTA GAAAAGAATT TTGAATACTC ACAACAAAT 192060
AAATGATAAA TGTTTAAGGT GATGGATATA CTAATTACTC TGATTTGATT ATTACACATT 192120
GTGTACACAT ATAAAAATAT CACTCTTTAT CCCGTATATA TGTACAGTTA TTATATGTCA 192180
ACTAAAAATA AAAGAAAAA AGAATATGAT CTATCATGAT GTATATATCA TGTGTACTTG 192240
AGCAAAATGT GCATGCAGAT ATTGTGTATA ATGTTCTATA AATCAATTAG CTCAAGATAA 192300
TAGATAGGAT TGTTTCAGATC TTCTGTGTCT TTAGTGATAT TTTGTCTAGT TATTGCATCA 192360
TTACCAAAAA AAGGGTGTTA AACTCTCCAA ATGTGATTGT AGAATTGTCT ATTTTGTCTT 192420
TTCTTTTCCA TTTTACTTT ATGTATTTTG AACTCTGTT ATGACATTTT GCTATGTATT 192480
TTAAACTTC GTTATGTATT TTGAACTCT GTTGTTAGAA TCATACATTT ATGATTATTA 192540
TGTTTTCTTG ATGAAATGAC CCTTTTCTAT TGTCGTTGTT TTTGTTTTTT CTGAAATGGA 192600
GTCTCACTCT GTTGCCAGG CTGGAGTACA GTGGCACAAT CTTGGTTCAC TGCAACCTCC 192660

ACCTCCTGGG TTCAAGCGAG TCTCCTGACT CAGCCTCCAA GTAGCTGGGA TTACAGGCAT 192720
GTGCCAGCAT GCCAAACTAA TTTTGTATTT TTATTAGAGA CAGAGTTTCA CCACGTTGGC 192780
CAGGCTGGTC TCGAACCTCT GACCTCAGGT GATCCGCCCA CCTCGGCATT TTTATTTTAT 192840
TTTATTTTTT TGAGACAGAG TCTCACTCTG TCACCCAGGG TAGAATGCGG TGGTGTGATC 192900
TTGGCTCACT GCAACCTCCG CCTCCTGGGT TCAAGCAATT CCCATGCCTC AGCCTCCCGA 192960
GTAGCTGGGA TTACAGGCAC ATGCCACCAT GACTGGCTAA TTTTGTATT TTTAGTAGAG 193020
ATGGGGTTTT TCTATGTTGG CCAGGCTGGC AACTGACTCC TTTAACAATA CAAAATATCA 193080
CTCTGTCTCT GGTAACACTC TCTGTCTTAA ACTCTATTTT AGCTGTTATT ATTATAGCCA 193140
TTTTAGTCTT TTTATGCTTT CTGTTTGCAT AGTGTATATA TTTTAATATG TTTATTCTCA 193200
AGTTATCTGT GTTTTTATAT TTAAGATGTT TCTCTTCTAG CCAACGTGTT TGGTTCCTGC 193260
ATTTTAAAGT CGATTCTAAC AATCTTTGCC TTTCAATTGA AATATTTACA CCATTAACAT 193320
CTAACATTAA CATTTATTTT TCTTTCCACA GTACACTGGC TAGCATCTCC CATATAATAT 193380
TGAACATAAA GTGTGATAAC TGACATCCTT ATTTCAATTCC TACTCTGAGT GGAAAGGGCA 193440
GGGGTGGAGA AAGCATTCAA CAATTTGCCA TAATTATAAT TCTTTTTGTT ACACGTGTTT 193500
CTTCTGCATT AAAAAATATC ATTACATTTT GCATGAATTA TTAGGAGAAA ATATTTTCCA 193560
ATTTTCCTGG AAAATGCCAT AACCACGTCT CTCAATTTTG TTTCCATCTT TCTTCCACAT 193620
TTTACATAAC CTACATAAGA GACACATTAT CAAGTATATT TTACATGGCT TCTCAGTGTC 193680
TTCTCTGTCT GCTAACAGGT TTACCAAGAG ATGGCACTCT TGTATTTCTG GTGGCTATGT 193740
CCATATCGTT TTGCCTTTAA GACAGCGTAA CTACTTCTTT CACCAGTATT AAAGACATGT 193800
ACATTTGATC TGGTTCTTGT GGATGATTTT AAATGACTCA AGCTAATAAT CCTAATTTTA 193860
CCTAAACACT CCATTATTTT AAAATGTATT CCTTTATGCC CACAATAAAC ATTTATTGAC 193920
ATTAGGCTGG ACATTAGGCT TCTCTATGGC AGACATTAGG CTGGACCCTA GCCATATATC 193980
TATTGAGGGA AAAAAAATTA TTTTCTATAT AAGTTTCCAG AAAGCCAAGA TGTGTTTTAA 194040
AAACAAAACA AAACATTACA TTCTAAATGC TGTAACAAGA TAAGAAAAAG TGTTGAGGCT 194100
GAGAGAAGAA CAAAGCAGCA AGCAACTCCT GGAAGGACCA CTGCTGCAGA GGTAATAACT 194160
GGTGAACCAT GTTTTGGAGA AGGAAAAGGT CACCAAGAGA AGGAGGGGGT CCAGGGTGTT 194220
CAGAAAGATT GCATGCATAA AGATCAAGGG TAATAAAAAA AATTCCGTAT TATGTAAATG 194280
TGAAGTTCCA GGACCATGAG CTTGGAGAGC ATGAAGTACA GGAGGAGGGT TGGTTTCAAA 194340
TAAATCTGGG AATGAAACAG TGAAGCCTCT GGCAGAACTC ACATCTCTTT CCTCCCCTCT 194400
TCCTTGACCA TTCCCTTTAT GGAGTAATTG CAGGGATGGG AAAAGTTCAA AACCACCACT 194460
GAGCCTAGGA AGTGCTAGGG TAAAGTGAG AATGAACCTG CGTGATTTGC TCATCCTAAA 194520
CTAGGTTCTT CTAGGAGAGC CCTTCCCCAT AAAATCTGCC CTCCTCGAAG GGGCCCAGAC 194580

AGCCTAAGCT CACCTCCCAA AGACCCCTTA CTTGCTGACT GAATCTGATT CCACCCAGAC 194640
 ATGGCCTAAA ACCCTTCCAT AACTCTATAG CCAAATTCAA TTTTAGACAG GCCTCATACC 194700
 AACCTTTCTT CCTCTAAGTC TGCCACCCTA GGCAATTCTC AACATTCTCT ACACACTTTG 194760
 GGGCCATAGA CGTGCTACCA AGTCTCCAGA CCTAGACCTG ATGGAGCAGT GCTGTAATGA 194820
 GACGACCACT GGCCTTTGAA CCAGACCCTT CTCTGTGGCT CCTATGCATC TCCAACCTGT 194880
 TTTGAGCACT GCTGCCAAGA CATCTTTGGC ACTTTGTTGT GAAGTTTAA AACTGAACTA 194940
 ATCTACAAAA CACCTAACCT TTAAAAATTC ATTGTCATTT CATATCATGA AAGATAAAGA 195000
 AAGGCCAGGA AACTGTTCCA GGTAAATAGA GACTAAAGAG ATAGCAACCA AATGCAATTT 195060
 GTGATCCTGG ATTGAGGGGA AAAAGTGTTG TCAGAGACAT GATTGGGACA GCTGGTAAAA 195120
 TTTGAATTTG AATTTAAAGA TAAAGTATTG AGTAATATAG GAAGATGATT ATCTGCAACT 195180
 TTCAAATGTT TCAGTAAGTA TATATATATA TAAAGAGATA TAAAGACATA TAAATAAATA 195240
 GATGGATAGG TAGAGAAAAA GCAAATGTAT AATATTAACA ATCTAGGTAA AAAGTATATG 195300
 AGTGTTCTTT GTACTGTTTT TCTGATTTTT CTATATGTTT GAAATCATTT TAAAATAAGA 195360
 AGGTTTTTGG GGTTTTTTTG TTTGTTTTTT GTTTTTTAGAG ACAGCATCTT ATTCTGTCAC 195420
 CCAGGCTGTA GCTCAGTGGC CCAATCATTG CTCACTGCAG CCTCAACTTC CTGGGCTCCA 195480
 GTAATCCCC CTACCTCAGG CTCATGAGTA GCTGGTACTT CAGGTGTGCA CCACTGCACT 195540
 CAGCTAATTT TTATTTTTTA AATTTTTGTA GAGATGGCAT GTTGCTATGT CACCCAGGCT 195600
 AGTCTCAAAC TCCTGCCCCC AAGTGATCCT CCCACTTTGG CCTCCCAAAG TGCTAGAATT 195660
 ATAGGCATGA GCCACTGCAC CCAGCCCCAA ATAAAAAAGT ATTTTATTTT AATTAACATA 195720
 TTAATTTTGA GTCAGAGTTT CACCCTTGTC ACCCAGGCTG GAGTGCAATG GCATGATGTT 195780
 GGCTCACTGC AAACCTCTGCC TCCTGTGTTT AAGCGATTCT CTTGCCTCAG ACTCCTGAGT 195840
 AGCTGAGATT ACAGGTGCCT GCCACCATGC CCAGCTAATT TTTATATTTT TAGTAGAGAC 195900
 GGGGTTTCAG CATGTTGGTC AAGCTTGTCT CAAACTCCTG ACCTCAGGTG ATCCACCCAC 195960
 CTCGGCCTCC GAAAGTGTTG ATGAGCCACC ACACCCGGTC TAAAAAGTAT TTTAAACCA 196020
 CAGTCCCACT CTACCTTGTC CTACACTACC AGGGGCTAGG ATCACCCCAT GTCTTCTAGG 196080
 CTATGAGATA GAGGAATCCA AGGAAGAAGA TAAGCTACTT GGTTCTCTTA TAGGGTCTTG 196140
 TGTGTGCTCT CATGTGCTCT CTCTCTCTCT CTCTCTCTCA CACACACACA CACACACACA 196200
 CACACACACA CACACACATG AATACCAGAG CTATCACTTT CCCAGTCTAG TACTCATCTC 196260
 ATCCCAAGGG TTTTGTGTTG TAGTGGTTTG CTCATTTGTT TGTTTTGTTT GTTTGCTTGG 196320
 ATTATTCTTT TTCTCTTTTT GCAGCTGAAG GGAGAATTTT CAGGCCAGCC CTTTGGCCAT 196380
 TAGAGTTACA GTGCCTCTAT TCAGGCTTCA TAGAGAGACC TGGGATTCAG TAGTGGGGGG 196440
 CTTTTATCCA GTTCAAATA ATGCATTCTC ACCAAGATGT ACTTTGAAAT AAAACAATAC 196500

TAAAAACACAA AATTTTATTT ATGCTGAACA TTGAATCACT TTTTCTGTA TTTTGTGTAG 196560
AAAGTTATAC ACACACAAAC ACATTTGCTC CTGCTTTGTT TATTGGCCCA GGGGTATGTT 196620
TGGTAATACT TCATCAGGCA TGAGTAGTAC GTCTTGGAAG GTGTGGTCTA AAGCCTAGAC 196680
TCCTATCTGC TTCCTTCAGC ATTCTCCAGT GTATCTGTCA TCTGTCTACC TTAGGATGGG 196740
GTCTCCAGAA CTTCCATTCA CATTTAGAAG AGGGCAGCGG CTTTCTATGG AAAATATGAA 196800
CTCTCATTCA TCTCTATTCC TTCTTCTAGC TATGGTCCAG CTCAGCTGTT TGAATAAAG 196860
TATCTATATG AAGTCTGCGA ATGGTTCTCA GACTGGTTGA ACATTAGAAT CACCTGAGTA 196920
CCTTCTAAAA TTCTTATTAC CCAGGGCATA TCTCAGAATG AGTACCACAG GGTAGGGATA 196980
GGATTAGGGA TCATGATCTC TGGAGTCTGG TTTAGGCACT AGTGCTGTTT AAAACTACGT 197040
TCATGAGGTG GAGGTTGCAG TGAGCCGAGA TGGCGCCACT GCACTCCAAC CTGGGCGACA 197100
GAGTGAGAGT CTGTCTCAAC AACACAAAAC AAAAAAAACC AACTACCTT GTGATTTGAA 197160
TGTCCATCCA AAATTGAGAA CCATTAGGTA AGGCCAAGCT GTATAATTAA AGAGCAGTTT 197220
TCATTTGTCT GGTGTGGTGG CAGCTTTTTG ATAAGGAAG TATTGTTGCC ATCCACATAC 197280
CTGAGCCTCA CTCCTGAGAA CACTGGTGTG TATGTTGCTA AAATTCCCCA GGTGATTCTG 197340
AGGTTCTTC CTGGATAAAA ACCACTGACC CTGGGAATGT ACCCACTGCC AATCTCCTGC 197400
GTAAACCTTG GATACTGGGA AGCCTACAGT TGAAAATATT GGGCTTGAGA TCCTGAAACA 197460
AATCTTGTAT TTCATTAAGA CTAATATTG GTACAGTGCA GCAAATCAAG GGAATTTTGG 197520
TGGCTGAGTT CTTTTAGAAC TTTTGCATTG AAATAGGTTT AAGCAGCAAT AAGTTAAAC 197580
TACAACCTCA GCTAAAGGAT TAAAAGACAC GTGAGCTGGG TAGGATGAGG TCTAAGATTG 197640
GGTGTGGCGG CTCATACCTG TAATCCCAGC ACTTTGGGAG ACTGAGGTGG GTGGATCACT 197700
TGAGGTCAGG AGTTCAAAAC CAGCCTGGCC AACATGGTGA AAACCCATCT CTAATAAGAA 197760
TACAAAAAAA TTAGCTGGGC GAGGTGCCAG GCACCTGTAA TCCCAGCTAC TGGGGAGGCT 197820
GAGGGAGGAC AATCACTTGA ACTCAGGAGG CAGAGGTTGT AGTGAGCTGA GATCGCACCA 197880
CTGCACTCCA GCCTGGGTGA CAGAGCAAGA CTCCATTTAA AAAAATAATA ATAATAATA 197940
CAATAATAAT AATTCAGACA TATCCAGGCA TCAAACAGAT ACCTGGGGCA GATGAATAGT 198000
CTTGAGATTC AAGTCACACA TGAAATTTAG GTGGAAAATG ACATTGGAGA AATTTGAGAT 198060
TATGATGAAT GGAAATTTTT CAAAGAGGAA TTTCAGGCTC TGTTCCTGAG GGGATAGATG 198120
GACTTCCAAC AGCAATAACA CAGGATTAAT GAGGACTTGG GATGTTACAT AAATTAGAGA 198180
TGTTAGATGG ATAAAGAGAT AAAAGTACTC TCTCTAAGAA CATGGGACCA GAGATAGGCT 198240
CACTTCTAAC CATCAGATAT AACTAGCAGA CTAAACGGTC TAAAAATAAA AATCATGCC 198300
CACTCCTGCT TAAGACATTT TAATTACTCT CAGTAACTCT TCAGTTTTTC TACTGTGTTA 198360
TCTTTAACTA CAGGGTTGGT CTGGGTGTGC AACACAAGAA AGCCTGGCAT ATACATGGAT 198420

TCAAGTGTAT GCCATGTACA GGTATTCTTT CATGTACTAT TTCATGTATT CTTTTTCACA 198480
TCTGTTTTTT CCTTCATTGA AGTCAATGGC TGATATTAGA TTCTACTATT CATGTGTACT 198540
AGTTATATAT AATTGTTACA AAACAAATTA GCAAAAACCTT AGTGGCTTAA AGCAACACAC 198600
ATTTATTATT ACCTAAGGTC TGTGGATAGA AGTTCTGACA TGGCTTAACT GGGTCCCTG 198660
CTTCAAGCCT CATGTGGCTG CAATCCAGGT GTTGGCTGAG TCTGAATTCT CATCAGAGGC 198720
TTGATTGTGG AAATTTCCAC TTCCAAGCTC CCTCAGGTTT GTTGAAAAAT TCAGTTCTTT 198780
GCACCGGTAG AAGCTTCTTG GTAGAGGCTG ATTCAACTTC TAGAGGCTGT CTGCAGTTCC 198840
TGTCACCCAG GGTGGAGTGC AGTGGAGCAA TCATAGCTCA CTGCAGCCTT GACCTCCCAG 198900
AATCAATCTG TTCTCCACC TCAGCATCCT GAGTAGCTGG GACCACAAGT GTGTGCCATC 198960
ACACCTGCCT AAAAAACAAA CAAACGAAAA AAAACCCCCA GAGAACTTTG TAGAGACAAG 199020
CTGGTCTGGA ACTCCTGCGC TCAAGCAATT CTCCTGCCTT AGCCTAAAAG TTCTGGGATT 199080
ATAGGTATAA GCCACCATAC CTGGCATATG GCAAGTCTTG AGCAGGACAA ATACAGATGA 199140
TTTATGTCTG TCTTCCATGG TATTCTAGGT TATTGTTGAG ATGGTCCTCT ATTGTCTTGT 199200
TCCATCTATT GATTAGATAA AACGTTGTTC CTTCTGTTAT TTTTCAACAG TAGCTTTTAT 199260
GTGTCTCTCT TTATCTTAAA ATTCTAACCA AAGAGCTGCT CTTTCTTGG TGTACTTTAC 199320
CTTTGGTTGA TCCTTCTTAA CCTCTTCTTG CCCTCTGGGG CCTAAGATGA GGGCTGTTAT 199380
CAGATGTGAG TCTATGGGAA AGCAAGCAAG AGGTTCTTCA GCCTCCGTTT AGCCTTAAAT 199440
GTCTAGGTAG AAATCAGTCA TGGCCCTTCC AATGTGGTAC AGACCAGATC ACAGAGACAG 199500
GGGTCTCAGC CAAGGTCTTG TGGCCTAAGC CTTATAGAAA TAATGAGTGT TTACTTACTT 199560
GGAGAACTCC CTTGGAATAT CTTTTTTTGT GAACCTGAGG CAACTTTTGG TGATTTCTTG 199620
ATGTCTTGGG AATCTTGGTC TAGAGCCATT TCAACCTGAT TTCTTTTCAT GTCAGTGGCA 199680
TTTTGTGACC AGATAGTAAA TAAGTTCTAT GATGTTCACT CAGAGAAATA CAATGACTTA 199740
TGATGTGAAG CTTCTGTGGT TCAGCCCTTA CTTCATCTTC ATTCCCTCTT ATCTGCATCT 199800
GTCTCCTGCT TGGGAACAAA AGTCTGGCTT CATTCATGA CCCCCACGTT GAGTTTCTTA 199860
GTAGCACTTA CTTTTCAATT AGGAGTGTCC TCACTTCTAT CCATCAGACA TAACTAGCCG 199920
ACTAAACAGT CTAAATATAA AAATCATGTC CTA CTCTCTGC TGAAAACATT TTAATTACTC 199980
CCCATCATTT AATTTTTTCT ACTGGGTTAT CTTTAACTTC AGAGTTGGTC TTGTGTGCAA 200040
CACAAGAAAA CCTGGCATAT ACATGGATTC AAGTGATGC CACGTGCATG TATTCCTTCA 200100
TGTACTATTT CATGTATTCT TTTTCACATC TGTTTTTTCC TCTAAAATTT ATTTCTTTT 200160
AAAAATGAAA ATTTTGCAAT TGA CTAAATTT TGTC AAAATTT GTTTAAAACC 200220
ATTTTTAAAA TGTTTCCCGA AGTTTGGAGT GAAGTTAGTA CTTCAGAAAA ACTGTTTTGT 200280
ATTTTTTCATG TGACCTCAGT GCACTGCTGT GCATTTCCAT TTCTGCGTCC ACACACATTT 200340

GTTTTGAGGA AATATAGGAA CGACAAGATA AAGTTCAAGC TCCTGGACAT TGCATAAAAG 200400
 ACCGTCATGA CCTGGTCCTG TTGACTTCCC TAGATTTCCC GCTATTTCCCT AAGTTGAGAT 200460
 TTTTGTTTTG GATGCTTTGT GTTTTCCTAA AATCAAAATA GGTTTTTGCC TTTTATGATT 200520
 ATACAGTAAA TAAATGCTAT TTGTGTGAAA CTTTAAACAA TACAAAAAAA ACCTAAGGAA 200580
 GAAAGTCAGA TTCATCTAAA AATCCTTGTG GCCAGAATTA ACTACCTTAG TTATTATTTT 200640
 CTCTATCTCT CTCTCTCAAT GTATATTTGG TGTAGGTATA GGGGTGTGTG TAGTGTGTGT 200700
 GTATGTATAT ATCTGTTTCT ATTCTGTAT GTGGATGTGC ACAACGCATC CTGCTTTGTA 200760
 CACTACAGTA CTAGCATTTT TCTAATGTAA TTCAATATTG TTGAAAACAT TTTAAAAAAG 200820
 CTTGTATATA TACACACACA TACACATACA TGCATGTATG TACATATACA CATAACAGACA 200880
 AAAATGTATC CTATGTATAT TCACACATGT ATACACACTC ACACGTACAT AGAGTTTTTAC 200940
 ATCCATAGTT TATAAATGTT GCTTTTTTTTTT GGTACCTTTT TTGCTAAGTC TTACACTTTT 201000
 TTTTTTTTTT TTGAGACGGA GTTTTGTGTG CATTGCCAG GCTTAGTGCA GTAGCGCGAT 201060
 CTCACCTCAC TGCAACCTCG ACCTCCCGGG TTCAAGCGGT TCTCCTGCCT TAGCCTCCTG 201120
 AGTAGCTGGT ACTACAGGTG TGCGCCACCA TGCCTGGCTA ATTTTGTAG TTTTTTTATA 201180
 GAGACGAGGT TTCACCATGT TGGCCAAGCT GGTCTGGAAC TCCTGACCTC AAGTGATCTG 201240
 CCTGCCTCAG ATTCCCAAAG TGCTGGGATT ACAGATGTGA GCCACTGCAC CCGGCCAAGT 201300
 CTTACACATC TTTTTTTTAC CACTAACTG TTTACCCAAA CCTGATAACC CAAGTCAACA 201360
 GCTATTATGG CTCACACAAT CTTATGTAAA CAAAGATACA GATATATAGA ATTTTCTTGA 201420
 TTAATATTCA GAAAAAATG GAGTCCCTTT ATACGTCCTT AGTATCTGCT TTACTCATTT 201480
 AAAAATGTAT TACATTATAT GAAAGTATTC AGGTCAAATG TTATAGATGT GATTCAATTCT 201540
 TTTTAACTGT GTTATTTTTC TGCAATGACT ATGTATCACA AAGTACTCAG TCTTCCACTG 201600
 ATGAAAATTT GGGCTATTTT CAGTTTGTCT TCCATTTTTC TTTCTTCTC TTGGATTTTC 201660
 ACTCAATGTG TTTACTAATT TAGGAAGAAT CAATAGTTTT TATGGTATTA CTTCTCCCAT 201720
 TCAAGAATAT AGCATATGGT ATAGTATAGT AGAGTACTTA GTTTAATTTA GCCAGATCCT 201780
 GTTTTCTGCC CTTTAATAAA ATTCTATCAT TTTCTGCCTT TGAGTCACAT TTTCTTGTT 201840
 CATATAATTC TTAAAAATG TATAGTTTTT ATTCTAAGGG AACATAAAAA CTTCTTTCCA 201900
 TTTCTATTCC TGTCTAGTTA ATTCTACTAT TGGGAAAAGT AACTGTTAAA AAAAATTCCT 201960
 ATCTTTCCAG TCAGTTCACC ACATTTCTT TATACCTTTG TACTTTAATC CCCAGTCATG 202020
 TTGAACACTT CTTATTCCTC ACACCAAGCC TCAACGGGTT TGCTCTTTCT GGAAGGTGCT 202080
 TCCCCTGTAT TACTGACTTA TTCATACCAC ACATGGAGAC TGGCGCAGCC CTGTTCTGCC 202140
 TGGGAAGCCT TCCCCTGATA CCCCTAGTTG GCAGGAGTCT TCATTTGTTC TTTTCTAGTC 202200
 ACCTGTGCAA GTTTGTATTG TTCATGTTA TCATCCTTCA TTCTAGTTGT CTGTCTCTAT 202260

GTGTGGTCTC ATTCACTGGA CTCTGAACTC TTATGAAGTC ATGTCATGGG TCAGATCTTA 202320
 ATAAATTAAT ATTGTCGGAA GCTAATGTCA TGTCTAGAAT ACAGAAAAAT TATCAAAAAA 202380
 AAATATAGTA TGTTGGCTGG GCGCAGTGGA TCAAGCCCGT AATCCCAGCA CTTTGGGAGG 202440
 CCGAGGCAGG AGGATCACAT GAGGTCAGAA ATTCAAGACC AGCCTGGCCA AAATGGTGAA 202500
 ACCTCATCTC TACTAAAAAT AAAAAAGTA GCCAGGCGTG GTGGTGCCCA CCTGTAATCC 202560
 CAGCTACTCA GGAGGCTGAA GCGGGAGGAT CACTTGAACC TGGGAGGCAG AGATTGCAAT 202620
 GAGCTGAGAT CATGCCACTG CACTCCAGCC TGGGCGACAG TGAGACTCCA ACTCAAAATA 202680
 ATAGTAATAA TAATAATAAT AATTGTATGG AATTGAACTG CTCTGATTGG AAATAGCTGT 202740
 TTTTTAAAAA ATTATTATTT TTTAAGTTCC TGGGTACATG TACAGGATGT GCAGGTTTGT 202800
 TACATAGGTA AACGTGTGCC ATGGTGATTT GCTGCACCTA TCAACCCATC ACCTAGGTAT 202860
 TAAGTACAGC ATGCATTAGC TCTTTTACCT AATGTTCTCC CACACCCCCA CCCCATCCTC 202920
 CCCCACAGG CCCAGTGAG TGTGTTCCTC CTCCCTGTGT CCACGTGTTT TCATTGTTCA 202980
 GCTCCCACTC ATAAGTGAGA ACATGAGGTG TTTGGTTTTT TGTTCCTGCC TTAGCTGTTA 203040
 ATGTCAGGCC AGAGAGGCTT AAATTTTTAA GGATCTCTGG ACTTTTCTTC TACATTACTC 203100
 TTGATGTTTA TAAATGTTAC AACTTCTTTA ATTTCAATTA ATGTATACCT TATTGAGTTG 203160
 ATTTAACTGA GTTAACTTTG TTATATGAAA ATCATGATTG GGAGTGAGGG GGTAAACCA 203220
 GCTACAGAGA TCTTGATTGT TGGTGGTGAA GCAATGCAAG AATTCATTCA TTCAGTAAAC 203280
 TAATGTTTAT TAAGCGTGTA CTGTCTTAGT CTGTTTCAGAC TGCTGTAACA AAATATCATA 203340
 AACTGGGTGA CTTATAACA AAAAAAAT TATTTCTTAC AGTTCTGGAG GTGGGAAGTC 203400
 TAAGATTAAG GCCCTGGCAA ATTTAGTGTC TGGTGAGGAC AGGTAGCCAT CTTTTTGCTG 203460
 AGTCCTAACA TGGCAGAAGG GTTGAATAAA CTTCTTGGG TTTCTTTTAT AAGGACACTA 203520
 ATCCTAGTGA TGAGGTTTCT GCCCTCATGG TATAACTACT GCCCAAAGAC CCCTCCTTCT 203580
 AATATTATCA CTTTGTGGGT TAGGATTTCA ACATGAGTTT TGAGAGGATA CAGACATTTG 203640
 GATCATAGCA CACACCATAG GACAGACACT GTGCCAAGAA TTGTGGATAT AGTGATTCTC 203700
 AAAATGAACA AGATCCCTC AGAGAGCTTG CAAAATCCAG CTATAAAAT ATGCTTTTTA 203760
 AACAAATTAT GCAGTTTGAA AAATCTACTC TGAATCTTAC TTGTGGCATT GAATACTTTC 203820
 GGCCACTCTT TCCTTATTAT ATTAAATATT TACTCTTGTT TGGGGGATCC AGTCTCACCT 203880
 ACTTTTTCTA CCAGAACTGG TATCAGCTCA TGCTCTGCCT TATGCAAAT AAGAAAATAT 203940
 CATACCTTTT GGGTAAATTA AGCCAAGAAA GTTCTCCTTT CTTCTCTTTC TCTCTTTCTT 204000
 TCTTTCTCTC TTTCTCTTTC TTTCTTCTC TCTCTTTCTT TCTTTCTTTC TTTCTTTCTT 204060
 TCTTTCTTTC TTTCTTTCTT TCTTCTTTC TTTTCTTTC TTTCTTTCTT TCTTTCTTTC 204120
 TTTTCTTTC TGACAGGGTC TTGCTCTATT GCCTAGGCTG GAGTGCAGTG GTGCAATCTC 204180

AGCTCACTGC AGCCTTGAAC TCCAGGGCTC AAGCAATCCT CCTGAGTAGC TGGGACTATA 204240
 GGCATGTGCC ACAACATCAA GCTAATTTTT GCATTTTTTT GTGGAGACGG GATCTCCCTA 204300
 TGTTGCTAAG GCTGGTCTTG GATTCCTGGG CTTATGCGAT TCTCCTGCCT CAGCCTCCCA 204360
 AAGTCCTGGG ATTACAGGCA TGAGCCACTG CCCCTGGCCA TTATAACTAT TTTCATTGGC 204420
 TTATCAGGCA CATGATAACT ATAATAAATC AATAACCAGA ATTTTTAAAT AAAGAAAGGA 204480
 AGGAATTGTT TCAACTCTTC CTGCTACCCC TCTATCCCTC AAAAGGGTAG GCTGAATGTT 204540
 GTCCTCCAAA GATATCCATG TCCTAATCCC CAGAACCTGT AAATATATTA CCTTATATGA 204600
 CAAAAGGGAC TTTACATGTT TAATAAGTTA AGAATTTTGA GATGGGCAGA TTTTCCTGAA 204660
 TTTTGCAGAT GGGCCCTAGT GTAATCACAA GGGTCCTTAT AAGAGACAGG CAGAAGAGTC 204720
 AGAATAAGAG AAAAATACTT CAAGATGTTA CACTGCTGGC TTTAAGGTGG AGGAAAGGCC 204780
 AAGAGCCAAA AAATGCAGTG GTCACTACAA GCTGAAAAGA AAAAGAAATG GATTTTCCCC 204840
 TAAAGCCTCT GGAGGGGGCA CAACCTTGCC AATACCTTGA TTTTGGCTCA GTGAAACCCA 204900
 TTTTGGACTT CTGACCTTTA GAACTGTAAA TAAATAAATA ATTTTGTGTT GTTTCAAGCC 204960
 ATCACAGTTG TGGTAATTTA CTACAACAGC AATAAAATAG AATTAAATAC AGAGATCTGA 205020
 GGAGTTGAGT AGGATAAGCC TACTCCAGCA GGTATTTTCG GGAGTATGGT GAGACTCACT 205080
 AGGATGGCGG AACTCAATTA AGGAAGTCTG AAGCTGATAA GCCAGAGAGG GAAGGCTCTC 205140
 ACTTCATTTT ATAAGGGTTG CGTCACACTA GGAAGATCCA ATAGCAACCA CAGTCTCAAA 205200
 ATTAATGATT ACAAATAGGA CACAATTCCA AGAGTCGGGA GCCAAGCAGA AAATGGATTA 205260
 GGGAAAGCAT GGATGATATG AAACAGGAAG GAGGGGTACA AGGCAGCTTC CTGGGAAGTT 205320
 GCCAGGGCAG TCACAGTTCA CATTCATTAG GCTGTGGGCA CCAAATGCAT ATGGAAAATC 205380
 TAGCTGACTT AACTGAACTC CTGAAGAGGA ATGAACACCT CATTTATTGA GGAGCTACTA 205440
 CCAATTAGAA TATGTATTTT ATTTGTTCAA TAACCCCATG AGTACAGTAA CACAATCCTT 205500
 GCTTTACTAA AGCGGAAGCC AATTCAAAGA GGTTCAGTGA CTTGTCCAAG CTCAGGGAAA 205560
 ACACTAGGAA GTGAATATGG GTCTGACTCC ATCACTGATT TCAGGAGCCC TGCCCTTTCC 205620
 TCCACACCAT GCCCCTTGC TTTCAGAAAA AAAGGCTTGT TGAAGTGAATG GTTGTATGCA 205680
 CAGTTCAAAG CAGAAACACA CGATGACATC TTTTGAGATA CTCTAACAGT GAGAACTTGA 205740
 AAATGAAGTT AAAAATTAAG CGGCAAAACC AAGCCGAGGC TTTCTGAGAA AGTGGGGCCA 205800
 AACCTGTTGC CGTCTGACTG CCACGTGGCT CACTATTTAT CCCTGTAAAA ATCTGCAAAA 205860
 GTATTTGAAA GGAAGAAGG GACAGAAAAC TCCCTCCTTT TCCAAGTTAG CCTTATAGTC 205920
 TAGGGCTTAA AATACTGGTT TAATGGTGAA GGTAAGTGCT TTTCTTCTTT TTGGGTAGAA 205980
 GGATTATTAC TAACTTACCA AAGGTCCATT AAGGGGAGGG AACAGTTTTA GGAGAAGTCA 206040
 GAGAAAAGAC ATTAACAGCA ACATAAGGAT CTCCATCTGG TAATATTGCC TAATTCCAAA 206100

ATGAAGAGAC TCTCTGAAAA AGATAACTGA TTCAATGAAG ACCCTAGGGC AAGGCTTGAG 206160
 AAGCCACTGG TACCAATGGA CACTGTGGAC AATGGTCATT TCTCCAAGGA CGCTGTGAGT 206220
 ATTAACGTG ATGCTGTGAT TAGTCAGACT GGGATTGGCT GTGGAATGAA ATACTGATCA 206280
 GAACTGACAA GATTTGTGTT TGGGACTGTG GCTAACGAGT CTTTTCAGAC TTCTATATGA 206340
 ATTTGAAATG GTCTCTCAGG AAAAGGAGAA CATGGCCGGG CCTGGTGGCT CACGCCTGTA 206400
 ATCCCAGCAC TTTGGCAGGC TGAGGCGGGC AGATCACTTG AGGTCAGGAG TTTGAGACCA 206460
 GCCTGGCCAA CATGGTGAAA CCCTGTCTCC ACTAAAAATA CAAAAATTAG CAGGGCGTAG 206520
 CGGCGCGTGC ACCTATGCGC ATGCATAGTG CGCGTGCCAG CTATTCAGAA GGCTGAGGCA 206580
 GGAGAATTGC TTGAACCCAG GATGTAGAGG TTGCAGTAGT TGAGATCATA CCACTGCACT 206640
 CCAGCCTAGG TGACAGAGTA AGACTCTGTC TCAAAAAAAT AATAATAATA AAAGAAAAGG 206700
 AGAACATGAC CAAAGTTATG AATAAGACTG AAGGCAAGAA AATTGTACGC TTGTAGAGAT 206760
 CACCTAGCTT GTTGCCCTCA TTGTACAGCT AAGAAAAGGC ACCCAGGGAC ATTGTGGTCA 206820
 GCACCAATTT CTCAGAAAGA TAGGCAGATG ATGAGAGGGC CCTCAGTTTT TCTAACACTG 206880
 AAGGAATTGC TTCTATGTTT TCTGGTGAAC TCCTCCCCAC TCATCTTGAG GATTCCAGGC 206940
 CAGAAGAATC CACTTTAAAA AAGAAACATT TAAAACCAAT TTAACAACCA ATCAAAGGCA 207000
 CTTTTATAGA AATACATTTT ATTTGCTGTT GGCTGTATT TATGGATCTG AGAGGGCTAG 207060
 ACTGCCAATA TTGTGACTGT TTATTATTAT TGCTGTTGCT AGTATCTAGA ATATTATACA 207120
 ACATATAACA CTTTGCAATT TACGAGGCAT GTCTCATACT TTTGTTTTCA CTCCAACTG 207180
 CCCAGTGAAG TAACATTATC CCAATTCTTC CTATGAAACA GTGAAAGCCC TAAGAGTTTT 207240
 TGAAACTTTA CCTGGTTTAC TCAATTTGGG AATGGCAGAG CAGAATTCAG TCCTTGAATA 207300
 TCCTCCCACT GCAGGTTTAT GCTCTTTGAT CTAGGTGTAA CATTTACTCT GAGTAAACTA 207360
 GGACTCTGGG CTAACAGAGA TGAAGCAAGA CAGGCTGGAT ATTAGGAGAA TCTAAGAGCA 207420
 ATCTAACGAC CATTATAATA AAATCATGAG TTCTAGACTT AAAAAAAGGG AAAACCTGT 207480
 TTTTTTGCTT ATGCGTATAC CATAATATTT ACATTATTTA TTTTTTCTC AAATTCACC 207540
 TATACGGTGT CAAGTAATTT TTTTAAATAT AACATTTTCC TTTAACTTAA TTTCAATTCA 207600
 TTTTTCTGTG TCTACTTACA ACTTTGGCAC TAGAATTCAC AATTTTTTTT TAGAGGTATA 207660
 TCTCCTTAAA GGAAGGGT CTGACACTGT TACATGTTCT CAATTGTTTG CAAATAGGTT 207720
 AATAATTATT CCAGTGTCTC TAAGTACATA TCAACCATGC CAGTGTTCAG CCTCCATAAT 207780
 TTTATTAGCT TCTGTGCTTA TTTTGAAAA ACATTTCCCA TTACCATGAA AGACCTCAGT 207840
 TTAGGATGGT TTGGTATGTT AGCCTGATTT CTGCATTCGT CTCATGCAAA GGAAAATAGG 207900
 AAACGAAGAA CTGAAATTAC CTATTGATAC AAAATCAAAG TAGCATTTGA AACCATAAAA 207960
 CTTAAGTAGG GCTTTTCATC CTTTCTCGTT AGACAGCAAC AGAGAATGGG AAGAAAAACT 208020

AAAGTGATGG GTTTGTGATA CAATTCCAGT AACATAAAGA GCAAGGAGAA GTAGTTTTGT 208080
TGTGTTTATG TTTAATATTC AAAGCTCAAC CTAAAAGTAT TTTTCATTAT CAAACTTCCT 208140
TCTAGAATAA ATGATTAAAA CTTGATTTAA AATATACAAA TTCTCCTTTA TAATACCTCA 208200
AAATGGAGCT ACCCCATTGA GTTTTAAGCT TGTGATTAAA ATATTACGAA AACAAAGGGG 208260
AAGTTGTAAT AGGTAGAACA AGCAGTAGTC TAGGCATTAG GGGATCTGGT GCTGGCTCTG 208320
TGCATCATGT GGTTTCAGGC AACTTTTCAA ATTTTCTACG CAAATTTTCT TATCAATAAA 208380
ATAAACAGTT GGGCCAGAGG ATCTCTGAGT CTCTTTCAGC TTTCAGTGTT TATAAGATTG 208440
GAGAAGTTGG TGGGAAAGCT TTAAGTGGAG TGTAAGTAAT TGCAGCTGCA TGTACAGTTA 208500
AAGAGTTGCC TTCAGCCAAG CCACGGGATC TTGCATAAAA AGTGAAATCA AATAGAAAAT 208560
GGTCCAAACT CTGGGTTTGA CCACAGATGA CTTCAGCTAG GATCTGAGTG TAGAGCAATG 208620
AGCTGAACTC CTGATATCCA GATGTTAGCA AGACTTGGAG GCCTTCTAAG GCAGAGCAAC 208680
AACCAGTATC TGTCTGGTG CTGACCTGAT CTTACTAGCA ATTGGGCCTC CATTTGGGTC 208740
CATTGTACAA AACAACAACA ACAACAACAA TAAAATCTCC AAACACCCAA AATTCAAAAT 208800
TTAGATGGAG AGATACTATT CCCAGAATTC TAGAGATATT TGGAAAGCAG AAAACTATAC 208860
TTGCCATGCT GATGAAGTCC AATTATTGCT CTTTAAATA CATTTAGCTA CTTCTGAATA 208920
TAAAATGAGT ATCTACTAAT TATTACAAA ATCACTTGGT AAATATAGAA AGTCACAAAG 208980
AATGAAGTGA TCATCCTGTT TTGTAACCCA GAAATAGTCA TTACTGGCAC TTGTGTGAAT 209040
CAGTTTCTAT TCCTGTATGT GGATGTGCAC AGCGTATCCT GCTTTGTACA CTAGAGTACT 209100
AGCATTTTTT TAATGTAATT CAATATTGTC GAAAACATTT TAAAATAGCT TCCATCACAA 209160
TAATCTATCA AATTGACTTG CCAGACTCTC ATTATTAGGT TAATTTATCT CTAACATTAT 209220
GCAGTCATGA GTAATACTAC AAAGGATATT TTTGGACACA ATTTTTCATC TATGCCTTTC 209280
TTTATAATCC TTCATCCTAA GGTCACAGAT TATGAATATC TTTAAAGTAC GGACAAGTCT 209340
TTTAAATTTT GTGTGCAAAA ACAGTGCAAA GCCTTGAATG ATAAAATAGA GGTTTGATAT 209400
ATGTGTTTTT TTGTTTGTTT GTTTTGAGAC GGATTCCTGC TCTGTCCCCC AAGCTGTAGT 209460
GCAGTGGCAC GATCTTGGCT CACTGCAACC TTTGCCTCTT GGGTTCAAGC AATTATCCTG 209520
CCTCAGCCTC CTTAGTAGCA GGGTCTACAG GCATGTGCCA CCACACCCGG CTGTTTTTGT 209580
ATTTTtagta GAGATGGGGT TTCACCATGT TGGCCAGGAT GATCTCGAAC ACCTGACCTC 209640
AAGTGATCCA CCCACCTCAG TATCCCAAAG TGCTGGGATT ACAGGTGTGA GCCACTGCAC 209700
CCGGCCGATA CATGTGTTTT TAAAGTCACA GAAATTTcag ATGTCTTGAA GGATTTTAAG 209760
CAATTTAAAA AATAAAGTCA TAGAAGCTTC AATTTAGGAA TGAATGGAAA ATTGATGATA 209820
TTCTTAGGAT ATGGATTTTT CCTAAAAGAA ACAAATGTAT GCATCCCCAA AGATAATTTG 209880
ATTAGTATAC AAATATTAAA TTAAACATGT CCATATTTAG AGCCATGAAT TCTCTTTGCC 209940

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|--------|
| TGTCACAATA | GCTGGATTTA | TTCACAATTG | TAGTAATTAG | TCCCTGTTCA | TTATAATTTT | 210000 |
| CTAGGTGATA | TGAAGACTTT | GTCAGTCCAA | GCAAGTGTCC | ACATTGTGTG | TAGCAAACAT | 210060 |
| GAGAATAAAC | ATTTTAAACT | TTTAAATGTA | ATACATATTA | GTGTTATGTA | ATGTCATCCT | 210120 |
| TCATGTTCGA | AGGCACATGG | AACATTGTTC | TGGTGGTACA | GAGGGGAGAG | AAACACCATC | 210180 |
| AGAATGAAAG | GAAAGACCGC | TCTGGAACCT | TCCTCCTTAG | CTCTTGAGCT | TAGTTTAATT | 210240 |
| GTCTGTCTT | ATGGTCTGCT | ACAAGCAATA | CCACTCTTCA | CCTTCGCATG | CTTCTCTGTG | 210300 |
| GTTTGATAAA | GTACATGCAA | TTTTTCATTT | AATTCCTCCA | GCTGCACTAA | GAAAGGAGCC | 210360 |
| TTATCTTTAT | TGAACAGATG | AGGAAATGAA | TGATTAGAGA | ATTTAAATGA | CTAGCTCTAG | 210420 |
| GTCACACAGC | TGGAACCTTAC | AGCCAGATTT | CCTTTTAACA | ATCCTGTAAC | CAAAAGCATA | 210480 |
| CCAGTAGTGC | CCCATAAAAT | GTAAGTTATA | GAGCTGTGTT | GGGTCAAAAC | TTTTACTGAT | 210540 |
| GCTAAGAGGA | GGCAACATTA | ACAAGGGGAA | ATTATTTGTG | TATTATGTTT | TGGATTATGT | 210600 |
| TCTCTCCATA | GATAAAAGAC | TGTCGTAGTA | AAAGAGATTC | AGGGCACAGG | GAAACTCCAC | 210660 |
| CACAAAGCGT | GGTACCATTT | CCCACAGAAG | CTAAATGGAC | GGGAAGCCTG | CCACCAGGAA | 210720 |
| AGGTAAAGCC | ACTGCTCTTG | TTTGCAGGCT | ATGTTAATAA | GCTGAAGCTT | ATTCCGACAC | 210780 |
| ATTTACACAT | CTCTGCATCA | CACTGACCCT | TCGTAAAGAT | ACTCCCAGTG | TAACATTGGA | 210840 |
| GCCAGCTCCA | GCCCCTGATC | CTGTTGCTTT | TTCCTTAGCC | CCATGAAATC | ATCTGCGAGA | 210900 |
| AATTAAGCCA | AATAAGCAAT | AAATCCTGGG | ATCTAGGGAG | TGGAATAAGT | TTTGGGAAAG | 210960 |
| TCTTTTTTTT | TTTTTTTTTG | ACTGAGTCTT | GCTCTGTCTC | ACAGGCTGGA | GTGCAGTGGT | 211020 |
| GCGATCTCGG | CTCACTGCAA | CCTCTGCCTC | CCGGGTTCAA | GTGATTCTCC | TGCCTCAGCC | 211080 |
| TCCCGAGTAG | CTTGGACTAC | AGGCACACAC | CACCATGCCC | AGCTGAATTT | TTGTATTTTT | 211140 |
| AGTAGAGATG | GAGTTTCGCC | GTGTTAGCCA | GGATGGTCTC | GATCTCCTGA | CCTCGTGATC | 211200 |
| CACCGGCCTC | GGCCTCCCAA | AGTGCTGGGA | TTACAGGCAT | GGGCCACCAC | GCCTGGCCCG | 211260 |
| GGAAAGTCAT | TTTAAACCAA | CCTATGTATG | AATCCCTACT | ATAATATTCT | CACCAAGCGG | 211320 |
| CTGGCTCTTT | CTCCTGAGCT | TGGAAACCTC | CAGTAAAATG | GAAATAATTA | TTTCCCAGAC | 211380 |
| CACCACTCTT | ATCTGTGAGC | TTTTTTGGCC | ATTAAAAATT | ATTTCTTCCA | TTATATTTTT | 211440 |
| ATCTGTGTCT | TCACAGGTTT | TCTCTTTCTT | TCACTTTAGT | GCTTTTCTTC | AAATAAGCAG | 211500 |
| GAAAAATCCA | ATCTATCATG | CACATGGGAA | CCCTTTCAAT | ATTGGTCTGT | GGTTGTTCCA | 211560 |
| TTTTATGGGG | ATGCTTTTAA | AGAAAAAATT | TGTCCTTTCA | ATATATTGAA | TATCTTCCAG | 211620 |
| CACCACATCA | CCTGCAAGCT | TTGTAAAAAT | AGTTCTACAT | ATTAATTTTT | TTTTTTTTTG | 211680 |
| AGATTGAGTC | TCATTCTGTC | ACCCAGGCTG | GAGTACAGTG | ACATGATCTT | GGCTCATTGC | 211740 |
| AACCTCTGCC | TCCTGGGTTC | AAGTGATTCT | CCTGACTCAG | CCTCCCAGAT | AGCTGGGATT | 211800 |
| ACAGGCATGC | ATCACCATGC | CTGGGTAATT | TTTGTATTTT | TAGTAGAGAT | GGGGTTTCAC | 211860 |

CATGTTGACC AGGCTGGTCT CAAACTCCTG ACCTCAAGTG ATCCACCTGC CTTAGCCTCC 211920
 CAAAATGCTG GGAATACAGG CGTGAGCCAC TGCACCCAC GTAGTTTTTT TTTTTTTTTTA 211980
 AGTTGAACAT ATGTGAAGGC AGGACCTAGT GACACATAGC AATAACATTT CCAAGTAGAC 212040
 ATTACACTAG GGAATTAGTC AAAGTGCTCA TTTAAAGTAC CATCTCTCAA ATGTATTAAA 212100
 AGAGAATCCT TGGATGTGCA ATACCTTAAT TCAAAGGCAG CTCGTTATGT ATAAACTCTC 212160
 AAGCTTTGTG ATAAACAAAT GTGCATAACA GATGGGACTA TTGACTTACA GCCCAGGGAA 212220
 TTTTATTGAC GCTGAGAAGG TTATGTGACT GGCTCTGCCA CTGTCATCCC CATTCACTTC 212280
 ATTTTGGAGC AATATGACAT AAATGCCTTA CATGTGGGTT TTCTCTATTT ATCATGTGTT 212340
 TCCTATCCCC TTGAAAGATG GCCATATTTG CTTTACTTGG TTATAAGATC CCATATTCGC 212400
 TGTCTTGAAG CCAACCAAAT AATTTGACAA AGTGGGTTTG TAGTGCTGGC TATTTTGGTG 212460
 AAAAAAGAC AATGAGACTT CATGTGTCAT CCAAAGTTCT ATCAGATCGA GCTGTGAGAG 212520
 AAAGGAAAAG AAAGGGGTCT CAGTCAGGAT GCTCACTGCA TACATCTGTG TTGTTGTCTA 212580
 GGTCCAGATT TCTGTTTATT ACGCTATGGG CTGGCTCTTA TCATGCACTT CTCAACTTC 212640
 ACCATGATAA CGCAGCGTGT GAGTCTGAGC ATTGCGATCA TCGCCATGGT GAACACCACT 212700
 CAGCAGCAAG GTCTATCTAA TGCCTCCACT GAGGGGCCTG TTGCAGATGC CTTCAATAAC 212760
 TCCAGCATAT CCATCAAGGA ATTTGATACA AAGGTAAGTA TGATGGAAAA TAGGGCTCTT 212820
 TGTTGAGAGA AAAAATTTG AAAGGAAGGC ATAGATCTTG ATTCTGTGGA GTATGGAAGT 212880
 ATACATTTCC AATGACAAAT TAAAACTGAC TGGAATATT TTTCTTTGAG ACATTGCTTA 212940
 CTTCAATAAT AAAAATAAGA TTTCATTGAG GTTATTATGA TTATAAGGTG GGGGAAGTGT 213000
 AGAGTTAAAT GTGAAAAAT TAAAAATGGA ACAGTTTATG TGATGTCTTC AATGAAAAAC 213060
 TAGGTATTAC CTGGGCACAT TCTTATAGGT TACTCAATCC TATTCAGTTC TCTGCCTGTT 213120
 TTATTGTTTC TGAGCAATTT TATATCCCTG TAAATTCTAT ATAACCAATA GAAATGCAAA 213180
 CGATTCTTGT CCATAGCTTT GCAAATAAAT TTTGCCAAGA GAAAAATCAG TTAAACTTT 213240
 TCTCCACTCA CCTCCAGTT GAATTAGCCA ATTTTGCTGT TTGTTTGTTT GTTTGTTTTT 213300
 TGAGATAGAG TCTTCCTCTG TCATTCAGGC TGGAGTGCAG TGGCATGATC TCAGCTCACT 213360
 GCAGCCTCCG CCTCCCGGGT TCAAGAGATT TTCCTGTCTC AGCCTCCCAA GTAGCTGGGA 213420
 GTAAGGGGGC ATGCCACCGC GGCTGGCTAA TTTTGTATT TTTAGTAGAG ACAGGGTTTC 213480
 ACTAGGCTGG TCTCGAACTC CTGACCTCAG GTGATCCACC CGCCTCGGCC TCCCAAAGTG 213540
 TTGGGATTAC AGGTGTGAGC CACTGTGCCA GGCTCTGCTG TATATTTAAA GTCTATTTCA 213600
 GCATTGCTTC CTGCTTGTGT TATGCGTGAT TCTTTGAGTT TTCCTTTGAA CCAGTTATAA 213660
 CATCTTACTT ACTTCCTCCA TTAATCAATG AGTTAAATAA AATCTTTGTT GTATGTTTAT 213720
 TTTACATTTA TATGAAAACC ATGAATTTAC CCAATTAAAA AAATTATCCT TTAAATTATC 213780

TTGTACTGTA CATTTCCTCAT GTCATCCCTA TAATTCATGA TTAATGATTT TATTACATTG 213840
 GACCTAGCTT ATTTACAATG AGTACATAAA TTTATTGTCT CCAGTCTTTC CTCCATTATC 213900
 CCGTCTACAT ATCCACACTG AGTAGATTCA CTACTCAGGA ATCTTGGACA CCTTCAAGTT 213960
 GCCAAACATG CAGTGTTTAC TGGACATGCT GTGTTCTTTC AGAATTTGGG CCTGCTTCTC 214020
 AGCACACTCA CATCTGCTAT CAATGACCCA TGGAAAGTTT TTGCCCTGAG CAAGCCAGAG 214080
 TCCCTGTTAG TTTCTTCCAA ATGCTACAAG TTCACTTTTG CTATTTTTTC CGATGAGATA 214140
 AAATTTTCCT TTTTGACTTT CTACAAATCA TAGTCATTTT TCAAGGGATA GTTCAAGTAT 214200
 TGCTTCCTTT CTGGGACCTT CCCAAATTAT TATTTTCTCC TCTCAAAGTC TCTGTTTTAT 214260
 TTATGTTTAT CCTCAAATCT TGATTCTCAC ATGAATCATA TACCTTGTAT TATTTATAGT 214320
 TTTTTTGAGT AGGTAAAATA TTTCATATTT TATATTCTTT GGCTCTCTAC TTTATAGCAT 214380
 GATGCCAGAT ATTTAGGGGC CTTACTGCAT TTATTTTTTA TTTTATTTTA AAATCTATTT 214440
 TATTTTTTAT TTATTTATTT TAAAATCTAT TTATTTTTAG GTAAATATTC AGGTAATATA 214500
 ATTTATGTAA TTATTTAGGA ATTTTAGGTA GTTATTTTAA AATAATTCAA ATTATTTATT 214560
 GAGTTATATC AGAAGAATGT GATCTTATTC ATTTGTAAATA TGTGTTTTAG GAACTCAGTT 214620
 CAGCCAGGGC AGACCATAAT TCCCAAACCT GACTTTTCTT TTTAATTAGG CACTGATTTT 214680
 GGTAAAGAGT TCAGTAAAGT TTTGTGTGTG TGTTTTAAAA AATTCTTTGA TATAAGAGTC 214740
 AAGATGTTAC TCAACTTTTA CTAGAAGCAA AATAGAGGAA GTGCTTTCAC AGATGAAATA 214800
 TCTCTCAATG TTTTCTTCCA TTTACTTCTT CCTATTATTC ATCTATATAA TCATTTTCTT 214860
 TACCTCTTTT CTTCAATTTCT TCTGTTTTTC TCTCCTACTA AGACAAGCAA ATTAGGGGTA 214920
 TAATTGGTTA TTTGGGAAGG TAGGAAGAAT ACAGAGAGAA ACAAAAATCA ATATTTTATA 214980
 CTAGGGTCTC ACTAACCTCA AGCAACTCTG ACTGTAAAGT AGATTTTCAT AATAGGACTT 215040
 CTTGACAAAG AGTTTTCCTA TTTTTCCTCC AGGCCTCTGT GTATCAATGG AGCCCAGAAA 215100
 CTCAGGGTAT CATCTTTAGC TCCATCAACT ATGGGATAAT ACTGACTCTG ATCCCAAGTG 215160
 GATATTTAGC AGGGATATTT GGAGCAAAAA AAATGCTTGG TGCTGGTTTG CTGATCTCTT 215220
 CCCTTCTCAC CCTCTTTACA CCACTGGCTG CTGACTTCGG AGTGATTTTG GTCATCATGG 215280
 TTCGGACAGT CCAGGGCATG GCCCAGGTAT CCAGATACTT TCTCATTCTT GGTGGGATCC 215340
 AGATTTCTGA ATTCTACAAA ATATCAAAGG TCTTAATGAT TTTCAATTTCA GGAATGGCA 215400
 TGGACAGGTC AGTTTACTAT TTGGGCAAAG TGGGCTCCTC CACTTGAACG AAGCAAGCTC 215460
 ACCACCATG CAGGATCAGG TAAGTGTGCA CAGATGGGTC ATAGCTTTGT CATCTGTTCC 215520
 ATCCCACTGT GTCTTATCTT CTATGAATCA AATGGTTTGG GGAAGAGAGA GAAAAAGTAC 215580
 TGCTGAAAAA TTCAACAATA TAAGACACTT GCATCACAAA TAGGAAAGAT GCATCTGTGC 215640
 AGTAAAGACA TTGAAGCTTA GAAGTAGAAA AAACCATTGT GAGCTAGGTT TCAGCTCAGA 215700

AAAGCCTTAG TAGTCAGAAA AGCCTTAGTA GTCAGAAAAG CCTTGTCGGA AAAAGTTTAA 215760
ACCTTTAAGA ATTGCACACA TGGAAAAAGA TCAAGTAAGC TATATATACA CCATCTTAGC 215820
AATGATTTTG AAGTGAGAAT TAAGGCTACC ACAGCTCCAG GTGGTAAGGA GAGAAATCAG 215880
GCTGGAAGAG TTTGAAGTTT CTGTATTATT CTAAGCTCTT TACTATTCTA TTATGAGCTC 215940
ATTAATTCTC ACAACAACCC TCTCATATAA GTACCATTTT AAATTCTTAT TTTACAGAGA 216000
AGGGAGTTAA GGAAGGTGGA GATTAAGAAA ATTGCCCAAA TACAAATAGC CAGCAGGTGG 216060
TAGGTCTGAG ATTTAAGCCC ATGCAGATTT TAGCCCCAGA GCAGACATTC TCAATCACTA 216120
TGCTAGACTG CCTTTCCATG GTATGTGATC CTAATCAGGC CTCTACAGCT TTATCATTGC 216180
TGTTCTCCCC AGCCTGTCGT GCTGAGAGTA TATACTCGAA GAGCAGAACT AAAATTCCAT 216240
CCAGCTTCTC ACTCCTAGGT CCACTACACA GCTGCATCCT GCAGACTTTT ACCTCAAGCA 216300
ACCCTCCTGC GTTCTTGCTT CCTTCCATCA TAGTTGTAAC CATCTCCTCT ATTTGCAAAT 216360
ACTATCTGCT GATCTCTCTC TTCTAGACTG GTTTCCTTCA ACCTTCTTCC CACCAAAACC 216420
AAGTTAGCTT GCTAAAATAA AGATGGCGCA TTTTACTCA CCCGCTTGAG AATTTTCAAT 216480
GTGTTCTTTC ATGCTTACAG AGTAAAGCCT GACCTCTTTA TTGCATGAAT ACAAAGTTC 216540
TTAGCCATCT GGCCCCAACC TTGTTCCACT CAACTCCCCCT GTGCAAGCAT GGCTCCAGTG 216600
GCACTGGACA TTGGCTGCTC TCCACATAGA TCTGCACTGC ACTTCCCTCT GGCTCTGCTC 216660
CCGTTAGTTT ATATGCCTGG AAAGTTCTTT GCCCTGTTC CTTGTGCCAA AATTCCATCT 216720
ATCCTATTGC ATAGCTTATG TAAAACTTC CTAAACCTTT TTTTTTTTTT TTTTTTTTTT 216780
TTTTTTTTTT TTTTTTGAGA CGGTGTCTCA CTCTCCGCC CAGGCCGGAC TGCAGTAGCG 216840
CTATCTCGGC TCACTGCAAG CTCCGCCTCC CGGGTTCACG CCATTTTCCT GCCTCAGCCT 216900
CCCGAGTAGC TGGGACTACA GGCGCCTGCC ACCATGACCG GCTAATTTTT TGTATTTTTA 216960
GTAGAGACGG GGTTCACAGC CAGGATGGTC TCAATCTCCT GACCTCGTGA TCCGCCCGCC 217020
TCGGCCTCCC AAAGTGCTGG GATTACAGGC GTGAGCCACC GTGCCCCGCC AAAACTTCCT 217080
AAATCTTATA ATTATTATCA ATTTATCCTC AGATATACTT CCACGTACAT TGTAGTTTTA 217140
TTATATTTAT ATTTTACATC TTTTTTTTCA AATTGCAGTT TGGGACCCAT TAGTGAGTCA 217200
TAAAATCCAT TGAGCGGGTT AAAATCATT TTTTAAAAAA TGAGTAGAAT AGAATAGAAA 217260
TTGTTGGAGT GCATTGGACA TGGTAAAGTT AAATATCGAT TCATGAAACC ATCGTTTGAG 217320
GCATATGTGT GTGGTTGTAT GTACAAGTGT TTATGCATAT TGGTGTGTGT GTTATGTTAC 217380
CCTGTAAAAT GCATTTCTTA CTATAGGTCT CTGTGAAATA TGTGTCTTGT TGTTTTTTAA 217440
TGTAAGCTTC CAAAGCCTAC ATGGCATTTC ACTAGTGACA ATCAATTTTA TTCACATTTT 217500
TCTCTCCAAT TGGACCAGAA GCTCTTTGAG GGCAGGGGCT GTATCTTACC GATTTTTGTA 217560
AGTCTTTCAT TTCCTGCCCC TAGCCTCATA TTAGATCATG CAAGAATGCA ACTGTAATCA 217620

CAAGAAAATG CTAATGGGCT GTGATAGCAG AGAGTTACTG TGACAAACTA AGGGATTTAG 217680
 ATTTGGTCAC ATTGGTGTG AGGAGCCATT GAAGAATCAG AGAGTGTGTT ACTATTATTT 217740
 GTTAATTTTA ATTATATCAT ATTACTTTAC TGGGGAAAAT CTGTGAGCTA TTTTAGAAAT 217800
 AAATACTCTC ATTGCCCAAT AATTCTAAGT CTGCCACCTC ACTGTTGGGA CATTGTTTAG 217860
 GGAGGCCACG AAGTCTCAGC CTTTGATATT TTCATAAGTG TTTTCTCCC TTTTCTCTT 217920
 AGGGTCAGCA TTTGGATCCT TCATCATCCT CTGTGTGGGG GGAATAATCT CACAGGCCTT 217980
 GAGCTGGCCT TTTATCTTCT ACATCTTTGG TGAGTCACTT TCTCTTAAAT CCTAATGCCT 218040
 CCATTTCTCTG AGCATCCATT TTGGCACCTA CACCACCCAC ATTCTTCCTA TATGAAAGAA 218100
 AATGTCTCTT ATCAAATGGA AGATGATAAA AAATGTCAAC GGTGATATC ATTTTAAATC 218160
 TAGTCACACA ACCTGATTAA CACCTTCCTG GTGGTCTGGA GAAGCCACAC GCAAAAGGTA 218220
 GAGGAGTTGA CTATTCACAT GGCACCCACC GACTTGTGAT GCAGTCTTGT CTTCCATAT 218280
 CAAGCACCTT CTGCAGAATC TCTACCACCA CATCTGAAGT GCCTGCTATA TGCAGTTAAG 218340
 ATGTCAAAGA TAGTGAAGTA CATTTTCAAT GTGTCTTCAT ATTTCAATTAT AATTATTATT 218400
 TCTGTCCAAG ATGCCTTTCA CCTGTTCTCT ACCAAGTTAA TCTTGCAAAG TTCAATTCAA 218460
 ATGTTCCCTT CCCCATGGGC CCTTCCAGGG CTTACCCTGT CAGATTCTGG CATTCTCTCC 218520
 TTTATGATAT TTCTCTCTA GGTATGTTG GTGTGTAATT ATTTATTTCT CTTTTCTTT 218580
 CCACTAGACT GTGAAATGCT TGAGGCAAGG AATCCATTCT ATGTTTTCAT CACTTGGGTG 218640
 TCATCATGGT GCCTGATTTT TAGCTTTAAA ATAAAAGAAT CAGTGAATCC AGTAATTAGA 218700
 GGGGATTTAA AGAAACTAG TCCTCAGAAT CTTTAAACAT AGAATGTTCT TCAAATAAGG 218760
 AATTCCAATA ATAAGACAAT TTTCTACACT TGATTTTGTT TTTATAGCCA AATGGTGTCA 218820
 TTAAATATAG TCCTGGCCTG AATGGCTTTC TCATTAATGA TGCTAATTAT TTTGGTTTGT 218880
 ACATGTTAAC CAGGTATTGT ACAAAAATAT TTCTTTTGGG AATCCATAAT GGATGTATGG 218940
 CTTGAATACA AATAATACTG TCTCTGTAA GTGCATTGGA AATTTTTCCC TGCCACATGA 219000
 TTTTCATGGAA GGTGTTTCG TGTATGTATG ACTGCAAACC TGAATTATCA GATCTTCCGC 219060
 AACAAGACAA CTTATGTGTG CATTAAGAAG TTGCTGCCTA AAATACATAA CACTGTAATC 219120
 ATTGGAGACT TTAAAGTAAT TAATCAGCTA TGCAATGCCA CGCTCCTGTT ATCTCCAGAG 219180
 GGCTCTGACA TTGACAAATG GTGGCTTTCT ATTTGAGACG TAATATCTAA AAAGCTTTAA 219240
 CAGGTTTGTA GAAGGATTGA AAGAAAGAAT GGGAACATTT AGGTCCTTAT GGTAGAATAA 219300
 GCATTAATTG ATTAGTGTGT AGAAGGGAGA GGCATGCCAC TTCAGAGGAA ACTTCCTTCC 219360
 CCCAGTAAAC AAATCTACCT AAAAATAAT TTTATCCCTT CTTCCCAGGT AGCACTGGCT 219420
 GTGTCTGCTG TCTCCTATGG TTCACAGTGA TTTATGATGA CCCCATGCAT CACCCGTGCA 219480
 TAAGTGTTAG GGAAAAGGAG CACATCCTGT CCTCACTGGC TCAACAGGTA CAGTGCACAC 219540

CTTGTACCTG TGGCCCATGC AGAGGTCTCT AGGGCAGGGT GTGGATCTCC TCTGAGAGGC 219600
 ACCATCTTGG CTGCTCTAAT ACTCATGCTG ATTAGATCTT TCTTTTCAGC CCAGTTCTCC 219660
 TGGACGAGCT GTCCCCATAA AGGCGATGGT CACATGCCTA CCACTTTGGG CCATTTTCCT 219720
 GGGTTTTTTC AGCCATTTCT GGTATGACAC CATCATCCTA ACATACCTAC CAACGTATAT 219780
 CAGTACTCTG CTCCATGTTA ACATCAGAGA TGTGAGTTTA CTTCTTATAC TTCTACGAAA 219840
 ATGATAATGG TAATAAGGAG AAACAGTTCT GTGTTACCTA TTACATTCTG GCTTTACATA 219900
 TAACCATTAA TTAAACCTTC ACAATGACCT TGAGAGAGGC ATTGTTATAA TTCCCTTTTC 219960
 ACAGATGTGG AAACAGGACA CTTAGAGGTG AGATAACTTG CCCCAGGTTG CACAATACTA 220020
 AGTGATAGAG CTGCTGCAGC ATCCATATTC TTAACCACTA TGCTATACTA CCACACCAGC 220080
 TGATTCCAAA GCTTCTTTTA GAAATAATAT TGCTGGGCCA GGCATGGTGG CTCATGCCTG 220140
 TAATTCCAGC ACTTTGGGAG GCCGAGGCAG GCAGATCATG AGGTCAGGAA TGCAAGACCA 220200
 GCCTGACCAA TATGGTTTAC TAAATATCAT CTAATAAAAA TACAAAAATT AGCCAGGTGT 220260
 GGTGGCAGGC ACCTGTAATC CCAGCTATTC AGGAGGCTGA GACAGGAGAA TCGCTTGAAC 220320
 CCAGGAGGTG GAGGTTGCAT TGAGCCAAGA TCATGCCACT GCACTCCAGC CTGGGCGACA 220380
 GAGTAAGACT CCGTTTCAAA AACAAAAAAC CCAAGAAATT AATATTGCTT TTATCTGGAG 220440
 CCCAGAGTGA TGCAGCTTCT GGCCCTCTTA TCTGAGACAG TGTTCTTTTA GTGTGAAAAA 220500
 GGATGCTAAT TTTCCCCCAA ACAACCCACA GTATCATGGG GGTAAGTTAA TGGCTGGTCT 220560
 GTGTAAGTGA CAAATTTTGG TGCTAACGTA TCTCTATAAC TACTCTGTAT AAACCTCCTT 220620
 CCTTCAGAGT GGAGTTCTGT CCTCCCTGCC TTTTATTGCT GCTGCAAGCT GTACAATTTT 220680
 AGGAGGTCAG CTGGCAGATT TCCTTTTGTC CAGGAATCTT CTCAGATTGA TCACTGTGCG 220740
 AAAGCTCTTT TCATCTCTTG GTAAGGATAA GCGTGTGGGC CCATTTAACC AATCCCTTTT 220800
 CTGCACATGG TCTCAGAGGG TTCCCTGACA GCATGTCCTC ATTGCCCAGG GCTCCTCCTT 220860
 CCATCAATAT GTGCTGTGGC CTGCCCCTTT GTGGCCTCCA GTTACGTGAT AACCATTATT 220920
 TTGCTGATAC TTATTCCTGG GACCAGTAAC CTATGTGACT CAGGGTTTAT CATCAACACC 220980
 TTAGATATCG CCCCAGGTA AGAGCTCTAC CTGTTTTTTC CCCTCCTCCA GACCCCTCCA 221040
 GAGGTGTTAG ACCTCAGTGG TCGCCGTGAA ACTCTTTAAT GTTACTGACA TTGCACTAAT 221100
 GGCAGAATGA CAAATAACTA CAAATATCTG TCTGTGGCCA TTTTLAGAAC AACAAATGTG 221160
 GCATTTTTAG AACACAATT TCCAATCTTG GCCAGTAATC ATTTTGACAA AAACCTTCCC 221220
 AAGCTTCCCT AACAGAGATT GAACTGTGTA TGCTGGGAAA AGGCCACAC ACAGGTGATT 221280
 TGGAAAAGTT TCCATGGTGT GTTTCATATT AGCTACCACA TATATATATA TATATATATA 221340
 TATATATATA TATATATATA TATATATATA TACAGTCACA ATAAGCCAGC TCCTGTGCCA 221400
 AGACTTGCCA TATATCAACA CATCTAATCC TCACAGTTAT ATTAGGTAGG CCCTATTGTT 221460

ATCCCCATTT TATAAGGGAG AAGGCTGAGG CACAAGGAGG TTAAATGGTG TGA CTATGGT 221520
 CACATAAAGG CAGAGCCAGG ATTTGGACTG GGGGAGTCTG GCTTTGGAGT CTGTGTCTTG 221580
 CCCGTTGCAC AAAGTGGCTT CTACACTGAG CAGCCAGGGT AAAGAAACGT GGTTCCCAGA 221640
 GAGACTGCAT TGCTCCCTGG TTATTGACTT GGTAGATTGG TAATTTTCAGG TTTGGCAAAT 221700
 AGACATTGCC CTGAATGTCT TTAGGTGAAT GAAAACTGC ATTAAGCAAA ATGACTTTGC 221760
 CATTAGAGCT GAATTGCATT AAAGTTGAGT TGCTGCAGAA GCTGTAGGTG GCTTTCTATA 221820
 TAAAATCATT TATAAAATCA TCTTCCCATA GATATGCAAG TTTCTCATG GGAATCTCAA 221880
 GGGGATTTGG GCTCATCGCA GGAATCATCT CTTCCTACTG CACTGGATTG CTCATCAGTC 221940
 AGGTTGGGTC AGTTTATTGA ACATCTTCAA GTGGCAGGTA TTGTTTTAGG TGTTGGAGAT 222000
 ACACACGGTG CTCTAAAGAT CTGGATGGCA ACACAATTAC TCTATTTACA TGAGCCTCTA 222060
 AATCAGACTC TGGTAGGTCA GATTTCCAG AGGAAGAAAA ATATAAGCTT ATTTTCTCAA 222120
 GATGAATAGA TGTTAGATTG ATTAATGA GCTGTTCCGG TGCAGAAGAC AGCACGTATG 222180
 ACTTCCTAGA GGTACATGAG CATGAAACAG TTCTTAGTTA TGACCAGAAT GAAAGACACA 222240
 TGTCAGGAA TAGCAAGAGA CGAAGACAGA GGGGCAAAAG AAGATCATGA AGAATATGTT 222300
 CAGACTAATC CAATTTTTAA AAAATCACAA AAGGGAAACA AAGTGTCTTA GGCCAGTTTA 222360
 AAGATAATTT AATGTCTGGA AACAGATCGG CTGTGAGACA TTGCAAGGAG GCTTGCTCGG 222420
 TGTTTGAAA TGCAGGCTCA TGAGGAAGAT GAAAAGACAG ACCCAGGCAG GGATGGAAGG 222480
 ACTGACTAGA ACCAACTTAC AAAGAGAAGT TTTGTTTTTA CTACATTTCT ATGTGATCAA 222540
 GTTCCCAGGT TAATATTTGA CTAACTGCT AGGAATCCAC TGTGACTATA ATGCTGGAAA 222600
 TGA CTTAGTA GGGCTTTCTG AGGAGGGTCA CACAGAAGAC CAAAGAGAAC TCATGTTGAA 222660
 TTGAGATGGG TTATAGTGAT AGTTGTCAAC AGCCAATACA GAAACAAAAA AAAACAAAAC 222720
 AAACAGCAAC AACAACAACA ACAAAAAAAA AAAACAGAGA AGACACAAAC ACAATGCCAC 222780
 AATGCCATTT TAGGCATAAT TTAAATGAG TAATATTATA TGTTGAAATC CAAATTTTCA 222840
 GAAAAACATT AGTGATTTTT ATTTTGTGTT AAAGAAATAA CCATCTCAAC TCAGAACCCC 222900
 ATGTGCATTT TGGCCATTTT GTTTCCAATA GTTTCATAAA CTTTCTTAAG TAAC TACTGC 222960
 ACATTGTTCC TTATATTCCT TGTGATCAAC ATTGCAATAC ACAACTGGGA GGGCTACTAG 223020
 AACTGGTGTA GAAGGA ACTT GTGAGATTGA TCATTTTCTC TGTTTTTTTAC ATCTAGGATT 223080
 TTGAGTCTGG TTGGAGGAAT GTCTTTTTCC TGTCTGCTGC AGTCAACATG TTTGGCCTGG 223140
 TCTTTTACCT CACGTTTGA CAAGCAGAAC TTCAAGACTG GGCCAAAGAG AGGACCCTTA 223200
 CCCGCTCTG AGGACATAAA GTTACAACT TAAATGTGGT ACTGAGCATG AACTTTTTTA 223260
 ACATTTTTTA CTTCTCTCCA TATTCCTGAC CATAGACTCA GCAGTTCTTA ACTCTGGCTG 223320
 TGTGTTAGTC TTCCCTGGGG AGCCTTTATA AGACACTGAT ACTTGGGACC CACTCCAGAG 223380

ATTCTGAATG AATTGGTCTG GGGTGGAACC CAGATACTAC TAATTTTTAG ATACTCCTTA 223440
 GAGGTTTCTA GCATGCGCCC GGGGTTGACA ACAGCTGGAC AAACCTGAAA AGTCAATTCA 223500
 TGTGGCCTTT GAATTTTCCT CATTGGAAAG TACTAAATAA ATAAAAATTC ATGTGAAAAT 223560
 GATCACTGAT AAATATCTTC ATGGTGGGGC AGGTTATTGG ATGCAGAGAA GATCTGCTCG 223620
 GAATTGTAGC CATATGTTAC AGATCTCAGC ACCGATCAGA ACTGTAAAGC TATAATCCCC 223680
 AGAATTAAAG TTTTATTAT TTTTATACA TTGTAAACA TAGACGTTA TTTATGTGAT 223740
 TAAATTCTAT TAAAATTTAC ATGCTAAAAT AAAATAGACC ATTTTCAAAT TATTTAGATC 223800
 CAGATATTTT CATCAGATTA AACAGATATT TATTTATCCT AGCCCAATTG CAAGAGATTA 223860
 ATGATGAGAA AATGACCAAT ACAAGATTAA ATAAATGAGG TTAACCTAGA AATCAAGGAC 223920
 AGAGAAGATA GAACTGGAAG GCTTGTATTG TGAGAAGAAT GAATGTGAAG GAAGGCAATG 223980
 TAGACACTTC CAGAAGGGAT AGCAATATAG TTTAGACCAT ATAATGAAAA TTGGAGAGAG 224040
 ATGACAGAGA CACTTTCAAG TGAAATGACA ATTTATATGG GGGAGAAAAA TATTGAAGAC 224100
 ATAACAAGAT GAGAAAAGGC ATAGAAATGT ATCACATACA AGGCATAGAA GTGTATCACA 224160
 TACAAGAGAA GTTCCTTTTG AGCGTAGAAA AAGATAATTT AACCTTCTTC ATATTTTTCT 224220
 TACTTTCCCA AGATACTCAG ATAGGCAGCG TCAACTCTAA CAGGAATTAA TTTGGCTCCT 224280
 AACACTTAAG ACATATCCTT TAGTTTGTCT CCTCACACAG AACTGATTCT GGTTTTGCCA 224340
 CAACATGTCT AGAGAAGAAG TTCCCACCAT ATTTTAAATC CTATTAAAAA ACTGCTTGGA 224400
 CAAGAACCTT GGGCTAATTC AGCAGATGAA GAGAATCTCC TAATGCAAAT CAATGGGTAT 224460
 TTTTGAGCAA GTTTTTTCAGA AAAACAGAGT GTCAGGCCCT GAGGGTGGTA CTAAGATGAG 224520
 AACATTGATT TTGCCTTCAT GATATTGACA ACACAAGAG GAAAGGGGGT TTGCAGAAAA 224580
 CTAAAAGAAG AAGTAGAAGA AAAAAGAAAG ACATAGTATA ATAGGTAGTC AAATTATGTA 224640
 CAGAAAAAAG AGGAAAAAAA ACCAAAAAAG GGTGGGGGAC AGACAACCCA ACTAAAAAT 224700
 GGGCCAATGA CTTGAACAGG GACTTCATAA AAGAGAAAAAT GTAAGTGGCT CCTTAACATA 224760
 TAAAAAGATG TTCAACTTCA TTAGTCATTA CAGAAATGAA AATCAAACT ACAATGAAAT 224820
 ACCACTATAA AATTAACTAA TGGATAAAAT GAAAGGAGAT GGAAACAAA ATGTTGCCAG 224880
 ACATGTGGAG CAACTGGAAC TTTCATACGT TACGAATGTG AACTTTGGAA AGCTGCTCGG 224940
 CAATATCTCC TAAAGCTAAA TGTACAATTC CAGTGACTCA GACATTTTAC TTAGAAATGC 225000
 ACATATACAT CCATAAAACA TGTACAACAA GTTTCATAGG AGCACTATCT GTAATAGCCT 225060
 GAACAGGAAG TTGTCTGTTA AAAAAAGAAT GAGTAAATAA ACCACGGTCT ATTTGTATAG 225120
 CAATGAGAAT TAACAGACCC CAATATATAA TAGATGAATG GGTCTCATAA GCACAATATT 225180
 GATTAAAGGA AGACAAAACG CACATTCTTT TAAAGGTTTA TAAAATACTT TTTAAAAACA 225240
 GCTACAACCA ATCCGTCCTG TTAAAAATCA GTGAGCGATT TCCCTTGTGC AGGGATGGGG 225300

GTTGTGGCTG GATGGATGGT ACTTAAGAAG TGCTCCTGGG GTACTAGAAA TATTTTATTT 225360
 CTTGACTTGG ATGTGTGTTT ACTTTGTGAA TATTGTACAT TTATGATTTG TGCACGTTTA 225420
 TGAATGTAGA AAATAAAACA GAAAGCAAAT TCAAAGTATC ATCCTTTTGA GAGCTTCTGC 225480
 TCTGACTTCG TTTTGACCAA TGGAGCAGTT GGGGAAGGGT CTTGGTCCTT CGGTCCTTTG 225540
 CTTTTTTTTT TTTTTTTTTT TTTTAGACAG AGTCTCACTC TGTCGCCCCG GCTGGAGTGC 225600
 AGTGGCTCGA TCTTAGCTCA CTGAAAGCTT TGCCTCCCGG GTTCATGCCA TTCTCCTGCC 225660
 TCAGCCTCCC CAGTAGCTGG GACTACAGGC ACCTGCCACC ATGCCCCGGT AATTTTTTGT 225720
 ATTTTTTAGT AGAGACGGGG TTTCACCATG TTAGCCAGGA TGGTCTCGAT CTCCTGACCT 225780
 CGTGATCCGC CCACCTGAGC CTCCCAAAGT GCTGGGATTA CAGGTGTGAG CCACCGCGCC 225840
 CGGCCCTGG TCCTCTGCTT TCATGTTCTT CTTGGTCCTG TTCCTCCTCC TCTTTTGTG 225900
 GAACTTCCAG TATCAGAGCA GGAAGGAAGG CAATGGGTCA ATCGATGCTG TCAGCTTTTG 225960
 GATCAAACCTG CAAGTTCTCA AACAGCAAAA TTAATGAGCT CAGGCTTTGA AGAAACCATG 226020
 ACCCTGAAAG CATCAGTTGC TTCCAATTGC ATCAGTTGCC ACGGGTGATA AGAACAATGA 226080
 TGA CTAGAG TGCCTAGGTT TTCCCAGCAG CTTCTCTGAG GTTTTCCCAG CAGCTTCTCT 226140
 GATTGATTCC TGACAGATGA CTTCCGGTGTG TCAGACTTTC AGGGTATCTT TCCTTATGTG 226200
 ATGGTTTGAG GAAGAGTTAC CATTACATT CCTAATGGCT TCAGAATAGA TGCAATTGTG 226260
 AACTGATAGG AAACATTTCT AATTCATCTC CCCTCCCCAT CCCTAAAGGA TTGTTTCTAA 226320
 CAATAGTCAT GAAAATTAAT TCACTTTTCT CAAATAGTTT ATTGTCATCT ACCTAATGAT 226380
 GAGATGACTT ACTTTTTTCTC CTTGACTGTT AAATATTATG AATTATATTA ATGTATTTCT 226440
 TAATGTTGAG CTTTCCCTTG AATATTCTTT TGATGTACGA CAGAATTTGA TTCACTAATA 226500
 GTTTATTTAG GACTTTGGCT GATGTACTGA TATATGAGAT TGGCTCTGTA TGCATACATG 226560
 TGTTTTGTGT ATCTTTTTTG TGTCTGGATA TGGAGCTTAT GCTGATTTCA AAAACAAGAA 226620
 AGGAGAACTT TCCTTTTTCC CCATTACTCT GAAAAAGATT GACTAGAATG GAATTTTTAT 226680
 AATTGCTGTT GTTATTTGAA AGCTTGAAAG CATTGGTTTG TAAAAATCAT GCAGGCTGAA 226740
 AGCCATTTTG AGGAGACTTT GATAACTTTC TCAATTTCTT TCAGTTACTG GTCTTTTAAG 226800
 GGGTTTTATA TTTTCTTTG ATCAATTTTG ACCATTTATG TTATCTTGA GGATCATCTA 226860
 TTTTACACAC TATTTAAAGT ATATTTGCAA AAATTCAACT GTTTTATCAG GCTATCTTTT 226920
 TAATAATATA TTCATTTTAT CTATATCTGA GGTTTTAGCT TCTTTGTACT TCTGACCCAA 226980
 TTGCATGTGT GCTTTCTTTC TCCTTCATTA GACTACTTAG TCATTTACTA ATTTTAAGAA 227040
 TAGCTTGTCT TTTATTTATT TACTTATTTA TTTTGTAGAC GGAGTCTCAC TCTGTCAACC 227100
 AGGCTGGAGT GCAGTGGCGC GATCTCGGCT CACTGCAACC TCCGCCTCCC GGGTTCAGT 227160
 GATTCTCCTG CCTCAGACTC CCGAGTAGCT GGGATTACAG TCATGCACCA CCATGTCTGG 227220

CTAATTTCTG TATTTTTAAT AGAGATGGGG TTTTGCCATG TTGGCCAAGC TGGTCTCAAA 227280
CTCCTGACCT TAGATGATCT ACCCACCTTG GCCTCCCAAA GTGCTGGGAT TACAGGCATG 227340
AGCCACTGCG CCCAGCCCTG CTTGTCTTTT TATTTTATAT TTGATTAGCT TTATCTTTTA 227400
TCAAGCTTAT GTCCTATTTT CCTTTGCTTT ACTTCATATA AATTTTGTTT TGGATAGTTT 227460
ATTTATTTTT CATTTAATTA TGAAACAGGT TAAAGCTTAG AGGAAAATTG CTCCTCTAAG 227520
TCCACTTTTG TGGGCAGATT ACATTTTGCT GTGTTGTGCT CCCAAATTCA TTGTTCTTTT 227580
AATGCTTTAT TTCTCAAGTT AATAACCTAT ATAGTAAAAA AGTGGCTGTT GACTCTCAGC 227640
TTTTTTTTTT TTTTTTTTTT TTTTTTTGTA GATACAGGGA TCTTGCTGTG TTGCTCAGGC 227700
TGGTCTGAAA CTCCTGGCTT CAAGGGATCC TCCTGCCTTG GTCTCACAAA ATGCTGGGAT 227760
GACAGACATG AGACACCATG CCCAGCCATG TCTCTCTCCT TATATATAAT AAGAAAACAG 227820
ACACACTGAG GCATCCTATC ATCTCACTCT TGGTTTCACT ACTGTTCTCT GGAAGTTTTG 227880
CTCTGACCTT TTGCAGTTAA TGTATTAATT TTGCATTGAG TAGTTTCCAT AGAAGAATTA 227940
TAGCATTTGC ATTCTGTTGG GTATTATACT TTTCACTGTT ATTTGAACAT AATTTGAGGG 228000
CTGAAACCAA GATGAGGCAA GTGAGGTGCC CAGGAAGCAA TATTTAAGGA GGCATCCTTT 228060
CTTAGGCTCA TGCAAGAACA GAATTGGCAC ATGAGAGTGA GTGCCTCCTT AATTTTGAGT 228120
GCTGGACACT TCTTGCTCAC TTAGCATACC CCTGGACAAT GAAGTGTTTT TTGTTTTGTT 228180
TTTTCATGTC CATCCTTTAT CCTTCTTCAT CTCAAAACAT TTCAATGGAG TATTTTTTTG 228240
GAGCAGTACT TGGATGAGCC TCTGAGTCCC ACAGTAGCTG AGAATTTATT TCATAGTACT 228300
CTTTATGATC ACTGTGGAGC CTTAAAACAT TGTAATATTA ACTTAGCTGG GAACAGAAAT 228360
TTTGTTCCAC AATTTGTCTT ATTCAGAACA GTATTGACTT CCTGCTAGTC TCTTCTGATG 228420
TCCAATATGA GGAAGTCTAG TTAGCCAGCT ACTTTTTGTA GGAGAGCTAT GTTTAGGCTA 228480
GGTGCTATAG GATTCTCTTT ATCCTGGAAT TCCTTCACCA AGATGTGCCA AGGTGTTAAT 228540
CATTTTCTCT TGCTTTTTTG CTGGTGGTCT TAGAGTTTCC TTCGATTTTG TTTTATTTAG 228600
TGATTGTCCT CAATTTGTTT TCTTTACTAA GAATCTCTCT TCTATTTATC TGTATGGTAA 228660
AACCTTGTTG CCCATCTTTC TGGTTTCTGC TGACTTTCAT TTTTGACCT TTTACTTTGC 228720
TTTCTCCATG GACTTTTTTG TAGTGGAGGC AGGCAAACAC TTTCAAAGT CTTTCTCAAT 228780
TTCCATCAAT TTCAACTTAT TTCCTAAAAT TGCCTCAGAA TGTGCCTATG TCCACAATAT 228840
CCCTCCTTCC ACTTTAGAAA GGAAAGGCAT CCACACTTTA TTTAGGTGCA ATGCCTGAAG 228900
TGTAACACT TTCTGGTTGT CAACAAAGGA GTA CTTCCTCAA ATATTGGTTT GGGGATAACC 228960
TGCTAATGAT TAACACATTC ACCTTGGCTC TTGGTTTGCC TGCTCCCTCT TCTTTTATCT 229020
GCTGTGTGTA TTTTTTTTAA TCACTGAGAA TATGCACAGT ATTGTATGTT TTATTATAAG 229080
AGAGGACTGG CCAGAGTGGG AATGTTCTGA ATTCAGAATA ACTGAAGCAG TACAGGATAG 229140

GAACTCATTC TTTCAAATGA AGCTGGCATA TTTTCCCAGA GCACCAAATT TCAATATATA 229200
 TTTAAAAAAC TTGATATGAA TGATACAATA AAGTGGTTAG AACTTTTATT AAAATAAACT 229260
 TATGTCATGA AATACTTATT CTAATTATAG TCACTCTTCA TCTTATTTCA TCTTATAACA 229320
 TGTTTAATGT TTTCTTTTAT TTACAAAACA ATTTATTTTT TGATGAAAAG TTTTAGAAAT 229380
 CAAGTTAAAA ATATTCAAAG GAATGCCTAA AGTTTTCAAA ATTCTTTTAC ATGTTGTACA 229440
 ATCAAAAGAG TCTGAAGACC ATTTAGCTAT CCAAATTGTT TATTTTAAAG CAGTATCCCT 229500
 TCTAATATTT ACTATTTATA ATCCTTAAAA ATTTGCCTTA GCACAGGAGA ATTGCTTGAA 229560
 CCCAGGAGAC GGAGGTTGCA GTGAGCCAAC ACAGTGCCAC TGCCCTCCAG CCTCGGCGAC 229620
 AGAGTGAGAC TCTGTCTCAA AAAAAAAAAA AAAAAAAAAA AAAAAAGGCC AAAACAAAT 229680
 AAACAAACAA AAAAATCCGC CTTAACATTA TTTGTTTATT AAAAACTTTC TTTAATACTA 229740
 CTAGTTTCCC TTTCTCTCTA GCCCATTGTC ATATTTTGAT TTTTATCACT TGCTTTGTAG 229800
 GACATATGAG GTTTTTGTTT TTTTTTTTTT TTGGAGATGC AGTCTCCCTC TGTGCCCCGT 229860
 GCTGGAGTGC AATGGCGCAA TCTTGGCTCA CTGCAACCTC TGCTCCTGG GTTCAAGCAA 229920
 TTCTCCTGCC TCAGCCTTCC AAGTAGCTGG GATTACAGGC ACCCACTACC ACGCCTGGCT 229980
 AATTTTTGTA TTTCTGGTAG AGACGGGGTT TCACCATGTT GGCCAGGCTG GTCTCGAACT 230040
 CCTGACCTCA AGTGATCCAC AATCCTTGGC CTCCCAAAGT GCTATGATTA CAAGCATGAG 230100
 CCACCTGCCC AGCCAGAATA TATGTTTATT TTGAGTCTTT TAACAAAGTC ATAAGAATTT 230160
 TAGGAATTCA GTTACTTTCT TGAGAAAATC TCTGAAAAGA TGCCAATAAT TTGTAGCCAA 230220
 TTATATTGAT TTCTCTTTTT CATATTGAGA ATTGTTTTTT AAAAAAGTTG TATGTGTGAA 230280
 GATTTTTGCA CTGTAGTTAA AGAAACCACC TGTGTGTTGG TTAAGCCATA AGTACATGTA 230340
 TTCAAATAAA TTGAGGTGGG GTTACTCTGA GAATCAAAGG AAAACCTGAA GAAACAGGCA 230400
 GCCTCAAAAG GTCTTAGCTG TAGCAACTTG CTCCATTGTT GAAATAAATA GGCTTGAAC 230460
 TGTATTTTCC CTCTACTCAA CATTTAAGGT CTCAGAAGAT AATATAATTG GTGAAATTTA 230520
 AGTAAAGTGC TCACTCTTTT GCTTTAACAA ACCCTAGAGA GCTGGTAGGC AGAGCCTCAA 230580
 CAGACCGTTT TAGCTTCCAA AGGGAGTTCA GGACACCATG ATTCACGACC ACAATACATC 230640
 ACACATAATT GAGAAAAGAT AGTTCCACCA AATAAAGTTG AAATGCTGAC AAGAAGGGGT 230700
 AAGAAATCTT GGAAATAGGT TTATATAAAA TTTATTTTTT CCTTTTTTAT TGTTATGGAA 230760
 TAGGACCAGT TCTACTTAAG CCACCCATTT GCCAAAATAA AGTGAGAATC GTTTCTTTTG 230820
 GGGACTCCTC TTTGTAGCTC CAAGTGCCAC TAACAATTCT TAGGACCTGA GCTATAAGCC 230880
 AGGTGATTTT AGTTAATATG ATCAATTATT TCATTTAAAT GGCTCTAATG TGCAGAGGGA 230940
 ACGGAGCCCA TCAGCATTC CTGCAGGGAA CTGCAGTGGC TTTTATCAAC TTGAACAGCT 231000
 AGCTTTCAAC TGTTTTGAAA TCACTTTCAG GGTGGTCATG TAGTTGCTTT TTTGAAATCA 231060

GAAGATGATT CTGCCTCTTT TAATATGTGA CTCCTCAGAT TCAGAAAGTG CTCGCTAGTC 231120
TTAAGAGTGA ATTACCCTCA GTGGTCCAGC GCTTATGAAC CCACATCTAA CCCTATCCCC 231180
TGGGGGAACT ATCAGAGAAA TTGGTGCCAT GGACATAAGA GGAAGGCACA GTGAAGCAGA 231240
GAGCCCCGCA TGATGAAAAT CAGTGGACAG CATCATTATT TACAACTTTG TAATCACCCA 231300
GGAGCATGAA AATCCAGGCC AATCTGGCAC CATGAGCTCT AATTTTGTGTT GGAGTTCTTG 231360
GAACCGATTC TGATGAATGA CTGTTTAGCC ATTTTAGAGT GTGGCATACG TGGCTGCTGG 231420
CATACAGAGG TTGGATGTAA ACGGGCCTTT GCCCTCTCTT ATGAACATAG ACAGGAACTA 231480
AACTGTGTCA CATAGGTTCC AAATGGTGGC CTGAATACTA TTTACAATA AGGTACAATG 231540
AAATTGAGTA AGTCTTTTCC TCTTTTGCAG ATACCATCAT TATTCATATA TTTCTTCAAA 231600
GTAACTATT TGTATTTGGT AATTTTAAAT AGAAATGTAA TAATTGCTTC TCAAGTTTAG 231660
TCTTTAGTCT TAAGGTTGAT GCTCTCCATG TCCTTCCAAA AAAAGGTATG TTGCTTTTAT 231720
TATATCCTCG CCTTCAGATG GGATTATTCC ATTTTGTCTT TTGTTAATAT ATACTTTGAG 231780
CCACTTTTTT TGTGGCTCTG GGTGAGATGC TATAGGTACA ATGACAAGTG ATACGTGTGT 231840
TGTCCCTGTC ACAAAGTGG ATAGCCTAAG TGGTGACTTT TACCTCCACT CCAAATATAT 231900
GTATCACACA CCAGCCGTAT GCCAGGCACC ACTCTAGGTG CTAGGGATAC AGCAGTAAAC 231960
AGACAAATGC AACCCTGCC CATGTGAAAG AGAATAAGAC AATAAATAAG TAAAGTGCAT 232020
GTTATATGGA GGTGGCAAAT GCTAAAAAGA AAAATTAAGC AGGCAAGAGG ACTCATTGAA 232080
AAGATGACAT TTGGGTAAAA GCCCATGTAT ATATGTTCTA TTGGTTTTAT TTCTCTGGAG 232140
AGCCCTGACT AATACACAAT GACTTTGAGA AGTTACTGGC TTTTGATTTA TCACACTATT 232200
CGGAGTGCTG AGAGCCTTCT TAGTGTGTAT TCAGTGTTTT AAGAGAGCTT GTGGATGAAT 232260
AATAAATAGG ACAAATTTA TCCAACTTA AGCCTTGCTT TAGGTAAAAG GGCTCCTCTT 232320
ACAAGGTAGA AGGTTATTAT TTGACATTTA AATCCAACCTG AAGACTAATA AGACTAATTA 232380
ATTAAAAGTT TTAAATCAC AACTGCGTGC AAAATAAATG GAACTGCCAT GCTCGCCAAG 232440
TGTGCATGAG TGGTGTGCAT GGGAGACAGC ACGAAGCTAA TCCCACTCAT CTTGCAGGTT 232500
GCTCCATTTT TCTCCTAAAA TCAGTAAGAC AGAAGCTGGT CAGATTATCA AGAGCCCTAG 232560
TTAAACACAG CAGTAGCATT TGGAAGGGGT TGCTCTCATT AGGCAGTGCC TGACCACAAC 232620
AAGAGATGAA CAAGCCCTGT ATCTGAAGCC ATCATGCCTA GTTATGGTCC CCGACTGTTC 232680
ATGATGCCTG GAAGGGAGGC CCCCTGCACC CTAGAAAGCT GGGTGGGTTC TACTGTCTGC 232740
TTTACTGCTA AAAACCCTCT TCTTTGGATC TGGACTTTAC CTCTATCTGA TTTTTTTTTT 232800
TAATATATGA TTTGGCACTG AGTCTGTCAC TGCTGCTAAC TCAGCAGTTC TAGGGTCATT 232860
GCCCCATTGC CTCACAGAAA GAATTCATA GCTTCCAGCA TCCTCTCTCC TTCATTATAC 232920
TTTGATTTC A GCATTGCTAT TTTTCTCTT GGGTGTGCA GCTCTCTCTC TCCTTCCCAT 232980

GTCTTGTTGG TTTTCTGCTA ACTCCTGCTT TTTTCTTTT TTTTTTTTTG AGACGGAGTC 233040
 TCGTTCTGTC ACCCAGGCTG GAGTGCAGTG GCACAATCTC GGCTCACTGC AACCTCCGCC 233100
 TCCCGGGTTC AAGCTATTCT CCTGCCTCAG CCTCCCAAGT AGCTGGGACT ACAGGCGCTC 233160
 ACCACTATGC CCCACTAATT TTTGTATTTT TAGTATTGCT GTCATCAATC CACATGTCCA 233220
 GAAGCACCTA GAAACTCTAA TTCTTTGTAG GTATCAAACC CTAGGACTCT TTCCTCTAAT 233280
 CACAATATAT AATCCCTGAT TCCCAAACAC GGTCTTTTCA TATACATTTT CCACTGTACA 233340
 TACTTTCTGA CCTGGAAAGC TCTTACACAA ACACGCCCTC CCCTAGGAAG CTTTATAAAA 233400
 TGTTCACAGG AAGAATCAGT CACCCAACAG TGTCCCTGTC ACATCTTAGG TTCTACACCT 233460
 TTATTTGTTT TATCTGAATG TAATCTCCCA GAGGGTGTTA TCATCTTTTT TTTTGAGATG 233520
 GAGTCTTGCT TTGCTGCCCC GGCTGGAGTG CAGTGGCATG ATCTCGGCTC ACAGCAACCT 233580
 CCACCTCCTG GGTTCAAGTG ATTCTCCTGC CTCAGCCTCC TGAGTAGCTG GGATTACAGA 233640
 CGTGTGTCAC CACACCTGGC TAATTTTTGT ATTTTATAGT GAGACAGGGT TTCACCGTGT 233700
 TGGCAAGGCT TTCCTCGAAC TCCCAAACCT AGGTGATCCA CCCACCTCAG CCTCCCAAAG 233760
 TGCTGGGATT ACAGGTGTGA GCCACCATGT CCAGCCCCAT CTTTTTCTTT TAGTTTAGTT 233820
 CTTAACAAAT AGTCTGACAC AAAGTGGATA TAACAATATT TTGAATTATG AATAACTAAA 233880
 TGAATATTTT CAGATTTTCT GGTGCTCTCA AAGTTTATG TTACAAAAGA AAAACAAGTC 233940
 TAAATACCT GCCTCAAGTT TTTATCTGTA CTATGATTTT AAACCAAATA AAAACAGGT 234000
 GGGGTAAAAA CTGAAACAGG AAATACATAT AACTGAAAAA TTTTGGTATG TTAGTATGAT 234060
 AATACTAGGT CATTTTTTCT GTTTCCCCAA CTTCATTTTCT TATAGCAATA AAAAGAAACA 234120
 AGTAAATGTA TGTTAATTTA ATTTAAAAGA AGTAGTCTAC CATCTCTTCT GTTAAAAAGA 234180
 AAAAAGTATT TTAAAAAATT ATCTCTGGAA GGATACACAG GGAACATTGC TCTGGTTTCT 234240
 TCCAAGAGAG AAATGAGGAA CTAGAGAGCA TGGCCAAGTG GGGTTTTGCT TTTGTTTTTG 234300
 TTTGTCTATC TGTTAGCTTT TTATTATTTT CTTTGTAGG TTTGAATTTT AAACCACATA 234360
 AATCTGTTAC ATGCTCATAA TAATAAGTTT AAAATAAAAC TTTTGGCTGG GTGCAATGAC 234420
 TTACACCTGT AATCCCAGCG CTTTGGGAAG CAGAGGTGGG AGGATACTTG AGGCCAGGAA 234480
 TTTGAGATCA GCCTGGGCAA CATAGTGAGA CCCTGCCTCT GTAGAAATAA AAAAAATTA 234540
 GCTGGATATG GTGGTGCATG CTTGTACTCC TAGCTACTTG GGAGGTTGAG GCAGGAGGAT 234600
 CCTTTGAGTC CAGGAGTTTG AGGCTGCAGT GAGCTATAAT CACCCACTGC ACTATAGCAT 234660
 GGGCAATAAG GTGAGAACTT GTCTCAAAAA AAAAAGGGGG GGGGGAAACA AATAAATAAA 234720
 TATAAACAAA ACTTTTGTTT CAAAATATGT AATATTTAGC ACTAAAGAAT TCTGAATTGT 234780
 AGAGCTAAAA AGTACTTAAA AGTTAATAAC TATTGTCTCC TTTAAAAGAA TTGTTATCAA 234840
 AGTATAATTT TTATCCAGAA AATCATCCAT ATCAGCAAGC TAAACTTTCT CAAAATGACA 234900

TATCCATGTA ATTAGCTCCC AGGTAATTAG CAGGCAGCCT CTACTCAGGT TGAGTATTCC 234960
TAATCTAAAA ATTGGAAATT CAAAATGCTC CAAAATCTGC AACTTTTTGA ATGCTAACAT 235020
GATTCTCAAA GGAGTGCTCA TGGAGTATTT CAGATTTTGG ATTTTGGAT TTGAGATACT 235080
CAGTATAATG CAAACATTCC AAATCTGAAA AAATCTGAAA TACTTCTGGT TCTAAGCATA 235140
AGGGATACTC AACGTGTGTT AGCTAATTAG ACCCTTCATG GTCTCTTCTA GACCTCAGCT 235200
TCTTCAAGGT AACCTCTATC CTCACTTCTA ATAGCATGAA CTTTTCTGTT TTAGAATAAT 235260
TTGGATTTTC AGGAAAGTTG CAAAGATAGT ACAAAGACAG TACAGGAGAG TTCCCATATA 235320
TCTTTCACCT AGCTTTCCCC CATTGTTAGG ATTTTACATT ATTATGATAC ATTTGTCAAA 235380
TATAAGCAAC TCACATTGAT ACATGAACT CTATTAACCA AACCTTAGAC TTTATGTGGA 235440
TTTCACCACT GTTCCACTA ATGTTTTCTT TCTGTTCCAA GGTCCAATCT GGAATACCAC 235500
ACTGCATTTT CTTGTCATAT CTCCCTAGTC TTTTTTTGTC TGTGACAATG TCTCAGTCTT 235560
TTCTTGCTTT TCATGACCTT AACAGTCCTG AAGATCATT GCTTTTTTTT CATAATTACA 235620
CCGGAGTTAT AGATTTTTTG AAATAATACC ACAAGGGCAA AGGGCCCTTC TTGTCACATC 235680
ATTTTAGGGA GAACATGATA TCCACATGAC ATCACTGATA TTAACCTTCA TCATGTGGTT 235740
TAGGTAATGT TTCAGGTTTC TCTACTGCAA AGTGATTTTT TTCCCTTAAT TTAGCCCACC 235800
TGAACCTATC AATTTTGTTT TCTTCCATGA CTAATACTTT TGTTATTATA GCTAAACTT 235860
CATGGGGCC AAATCTTAGA TCATGTAAAT TTTCTTCTAT ATTTTATTCT AAAAGCTTGT 235920
AATGTTTGAT ACATTCTAAA AGATGTAATG TTTGATACAT TACATCTAGT CCTTTGATTT 235980
ATTTTATAGT ACTTTTGAT AAGGTGTGAG AGATGTCTCC AGTTTCACTT TATTAACACA 236040
TTGTGGTGTT CCAGTACTAT TTGTTGCTAA GACTATCTTT TTTCCATTGA TTACCTTTGC 236100
CTTAGTTGGC AATATTTTTG TTGGTTTATT TCTAGACTGT TTATCTCATT CCACTGATTT 236160
GTGTCTATCT TTTTGACAAA ACTGTTGATT ACAGTAAGCT TTGAAATAGT TCATTTTTTG 236220
TGTCAACTTG ACTGAGTCAG GGGATAACCA GCTATCTGGT TAAACATTAT TTCTGGCTGT 236280
GTTTGTGAGC GTGTTTCTGG ATGAGATTAG CCTTTGAATA GGTGATCCTA GTAAAGTAAA 236340
CTGTCTTTCC CAGTGTGGAT GGCATTATGC CACCTGATAT TCAGGTCTG AATAGAAGAA 236400
AAGGCAGAGG AAGGGGAAT TTGGGCCTTT TTTCTGCCT CACTGCTTGA GCTGGGACAT 236460
CTCATCTGGT CTCCTGCTCT TGAAGTGGGA TTTACATCAT CAGTTCCTCT GGTTCCTCAGG 236520
CCTTCAGATT CAGACTGAAT CATACCACCA GCTTTCCTGG GTCTCCAGCT TGCAGATTAC 236580
AGATCATGGG ACTCCTCATC TTCCATAAAT GCATGAGCCA ATTCAGTCTA TGTCCTTGAA 236640
AACTGCCCCA CTGCAGATTA AGGCTTTTTT CCACTAGGTG AAATAAGAA GCTTGTTAGA 236700
CAGATTTCCC TTCATCCAGT GCCCTCTCCT CTTTAAGTTA CAACACATTG GCTACACCTA 236760
AGTGCAGGGG TGGGGATGAG GGTATAGTCC TCTTGTTTGC TGAGAAGAGA ACTGTATTGG 236820

GAAAGCTCTA GAAGTGTGTTG ATACATACAT AAACAAGGCA TGGTTTTTGC ACTTAATTTTC 236880
ACATTACATT TTTCCCAGAA AAAAAGGAAT GTATAGGCAT CACGTAAGTG TACTAGCTGG 236940
AGTCATTCTT CCTGATTATC AAAGGTAAAC AGTTATTAAT CCTATACCAA GATGTCAAGG 237000
AGAAGTACTT TTGGAACACA AGGAATTCTC TGGGAGTCCT TACTACTCTC AAGCCCAGTG 237060
AAAAAGTTAA TGAAAACTA TAGTACCTTC CTATAAGCTG GATGACTAAT TACCAGGCTC 237120
ATTTAGGAAT TTGCCTTACC AAGTAAAACA TAAGGCAGC TGAGGTGCTG ACTGAAGACA 237180
AATGGAGCAT AGAATAAGAG TAGTAAAGAA TGCCAAAAAT GCTGTCATGT ATCCATTGAC 237240
AAAAGGAGCT ATAAAGCCTT TAGGTATTTT CACACTTGCT CTGTTACGTA AATGTATGTG 237300
TGTGTGTGTG TGTGTGTGTG TGTGTG 237326

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CGTTAGAACG CGGCTACAAT 20

(2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GCCGATTCAT TAATGCAGGT 20

(2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

CTGTAAAACG ACGGCCAGTC 20

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GCAGGAAACA GCTATGACC 19

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 21 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

GCATCAGCGA TTAACCTCTA C 21

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 22 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

TTGCATTGTG GTGAAATCAG GG 22

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 21 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

CTGAGTAATT GTTTAAGGTG C

21

(2) INFORMATION FOR SEQ ID NO:10:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

CTGAGTAATT GTTTAAGGTG T

21

(2) INFORMATION FOR SEQ ID NO:11:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

AGAAGAGATA GATATGGTGG

20

(2) INFORMATION FOR SEQ ID NO:12:

- C'
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

GAATGTGACC GTCCCATGAG

20

(2) INFORMATION FOR SEQ ID NO:13:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 28 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

CAACTGAATA TGCAGAAAAA AGTACACC

28

(2) INFORMATION FOR SEQ ID NO:14:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

AGTAGCTGGG ACTCACGGTG T

21

(2) INFORMATION FOR SEQ ID NO:15:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

AGTAGCTGGG ACTCACGGTG C

21

(2) INFORMATION FOR SEQ ID NO:16:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:

GCGCCACCAC TCCCAGCTCA T

21

(2) INFORMATION FOR SEQ ID NO:17:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 15 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:

TCACACACCG ATTGG

15

(2) INFORMATION FOR SEQ ID NO:18:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:

CCAAACTGAT CTTTGA

16

(2) INFORMATION FOR SEQ ID NO:19:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 14 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

TATATATATA TATA

14

C! (2) INFORMATION FOR SEQ ID NO:20:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 14 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:

AAAAAAAAAA AAAA

14

(2) INFORMATION FOR SEQ ID NO:21:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 10 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:
AGGATGGTCT 10

(2) INFORMATION FOR SEQ ID NO:22:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 12 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:
TTGTTGTTGT TG 12

(2) INFORMATION FOR SEQ ID NO:23:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 14 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:
CTTTTTTTTT TTTT 14

C! (2) INFORMATION FOR SEQ ID NO:24:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 12 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:
AATAATAATA AT 12

(2) INFORMATION FOR SEQ ID NO:25:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 11 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear